IP Wireless / Wired Camera

NIGHT VISION & REMOTE PAN / TILT ROTATE/

TWO WAY AUDIO

User Manual

Color: Black

FI8918W

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1 WELCOME

IPCAM is an integrated wireless IP Camera solution. It combines a high quality digital video Camera with network connectivity and a powerful web server to bring clear to your desktop from anywhere on your local network or over the Internet.
The basic function of IPCAM is transmitting remote video on the IP network. The high quality video image can be transmitted with 30fps speed on the LAN/WAN by using MJPEG hardware compression technology.
The IPCAM is based on the TCP/IP standard. There is a WEB server inside which could support Internet Explore. Therefore the management and maintenance of your device become more simply by using network to achieve the remote configuration, start-up and upgrade firmware.
You can use this IPCAM to monitor some special places such as your home and your office. Also controlling the IPCAM and managing image are simple by clicking the website through the network.

1.1 Features

● Powerful high-speed video protocol processor
●CMOS sensor
● 300K Pixels
● IR night vision (Range: 8m)
● Pan 300 degree, tilt 120 degree
● Optimized MJPEG video compression for transmission
● Multi-level users' management and passwords definition
● Embedded Web Server for users to visit by IE
●Wi-Fi compliant with wireless standards IEEE 802.11b/g
● Supporting Dynamic IP (DDNS) and UPnP LAN and Internet (ADSL,Cable Modem)
● Giving alarm in cause of motion detection
● Supporting image snapshot
●Support multiple network protocols: HTTP/TCP/IP/UDP/STMP/DDNS/SNTP/DHCP/FTP
● Support WEP/WPA/WPA2 encryption

1.2 Packing List

Untie the pack and check the items contained against the following list:

- IPCAM×1
- Wi-Fi Antenna×1 (only available for wireless model)
- DC Power Supply×1
- Quick Installation Guide×1
- CD×1（Include IPCAM user manual、IP camera tool）
- Network Cable×1
- Mounting bracket×1(option)

NOTE: Please Contact us immediately in the case of any damaged or short of contents.

1.3 Product views

1.3.1 Front View

Figure 1.1

Infrared LED: 11 IR LEDs
LENS: CMOS sensor with fixed focus lens. (3.6mm)
WIFI Antenna: Wireless Antenna
Microphone: Build-in microphone
Speaker: Build-in speaker

1.3.2 Back View

Figure 1.2

LAN: RJ-45/10-100 Base T
Power: DC 5V/2A Power supply
Network Light: The LED will blink when plug the power
Power Light: If the power adapter works well, the light will turn on
Audio Input: The jack is used to plug external microphone
Audio Output: The jack is used to plug external speaker

1.4 Preparations before use

1.4.1 Software installation

(1) Put the small CD in the CD driver of your computer. Open the CD; find the software as instruction;
(2) Double click **IPCamSetup.exe** and install the software as instruction.

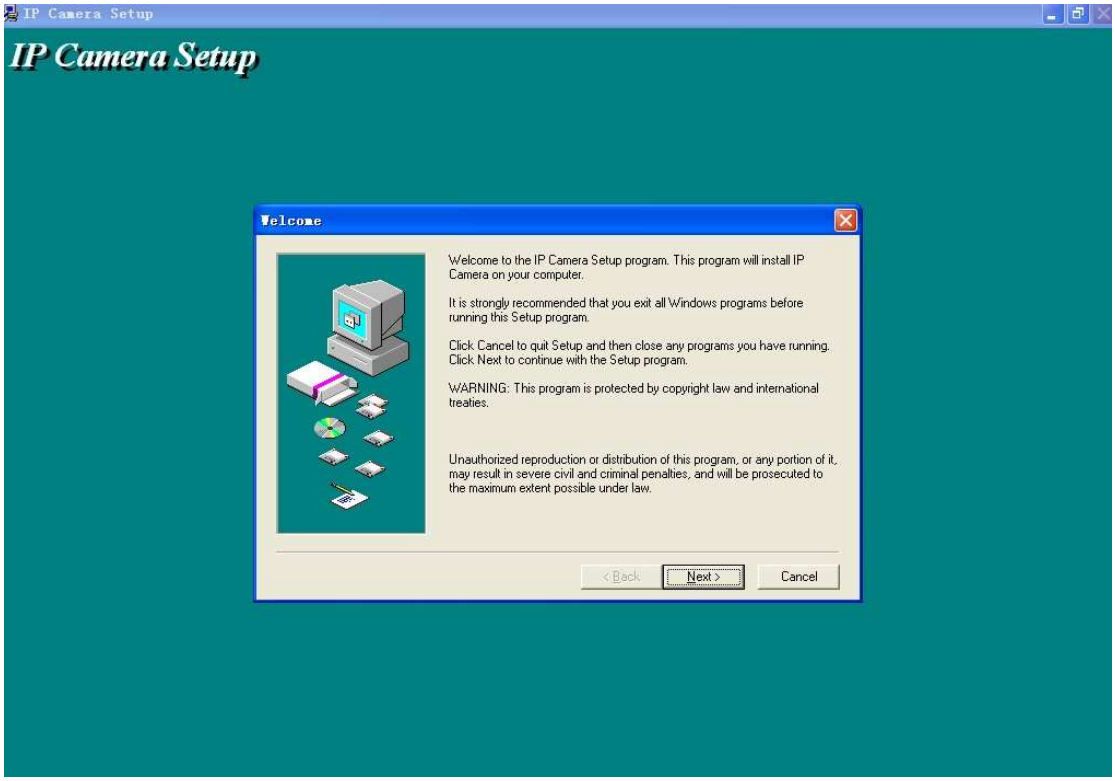
IP Camera Setup
IP Camera Setup
Welcome
Welcome to the IP Camera Setup program. This program will install IP Camera on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel

Figure 1.3

(3) Only click **Next**, you will complete the software installation.

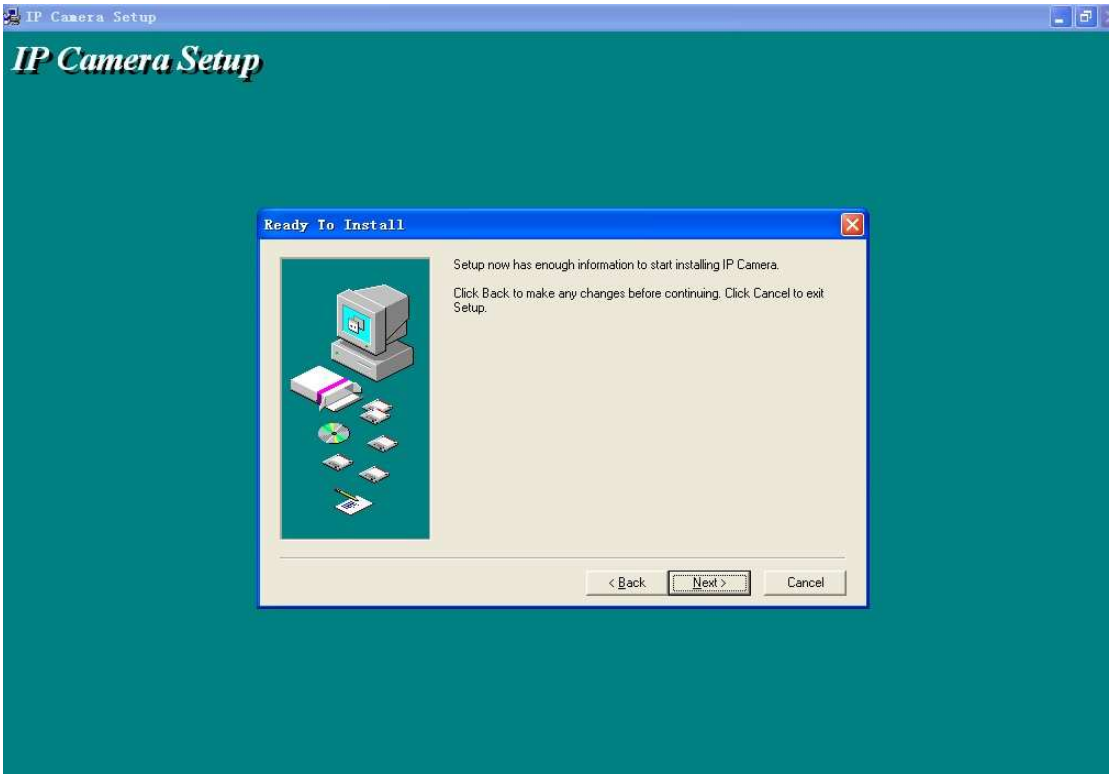
IP Camera Setup
IP Camera Setup
Ready To Install
Setup now has enough information to start installing IP Camera.
Click Back to make any changes before continuing. Click Cancel to exit Setup.
< Back
Next >
Cancel

Figure 1.4

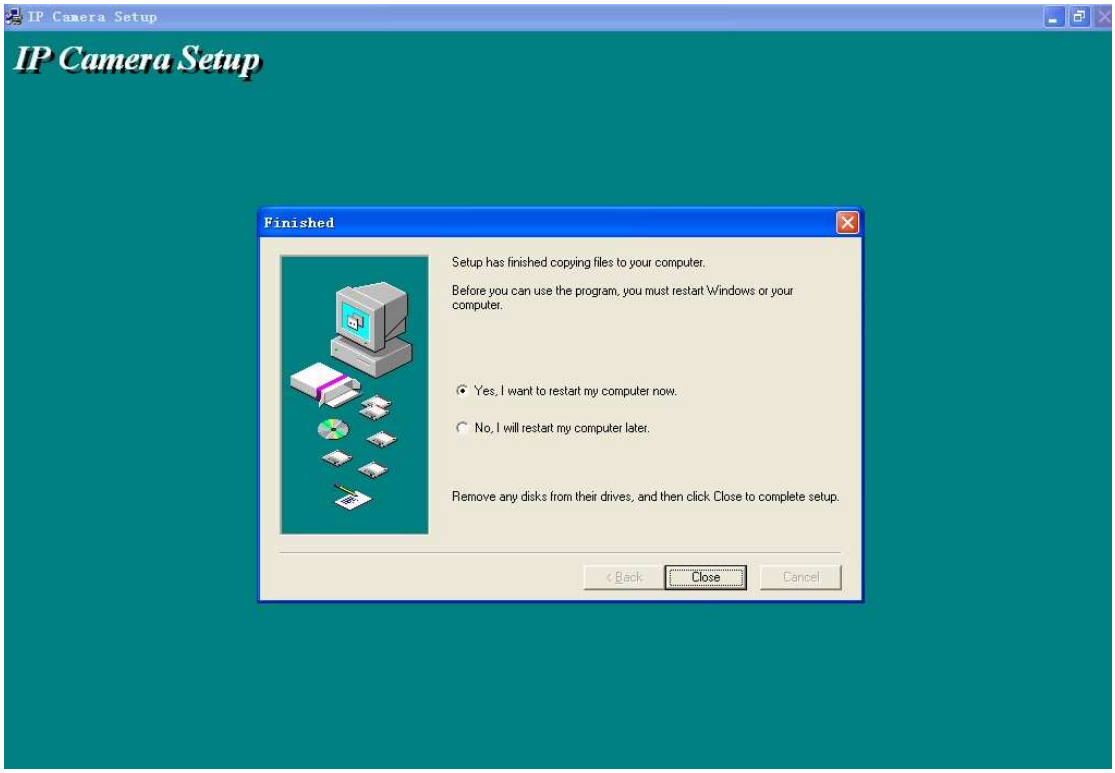
IP Camera Setup
IP Camera Setup
Finished
Setup has finished copying files to your computer.
Before you can use the program, you must restart Windows or your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Close to complete setup.
< Back
Close
Cancel

Figure 1.5

The computer restarts upon installation completion and an icon

appears on the desktop automatically.

NOTE: If you use Windows7 and could not find the icon on desktop after install the IP camera

tool, please check if the path of the camera port to is correct.

For example, as it was pointing to C:\Windows\System32\IPCamera.exe.
Please fix this by pointing the shortcut to the correct path C:\Windows\SysWOW64\IPCamera.exe. After this you could use the shortcut without any problems.

CAUTION: Before installing and using the product, please read the following precautions carefully and make sure they are fully understood.
Use only the power adapter attached with the product. Use unauthorized power adapter may cause damage to your IP Camera. IP Camera terminal shall be installed in an indoor environment where the rain or snow could not pour it.

1.4.2 Hardware preparation

Follow the steps below to set up your camera hardware connections. Make sure to follow each step carefully to ensure that the camera operates properly.

(1) Fix the antenna at the back of the camera.
(2) Plug the network cable into the camera and then into your Cable/DSL router.
(3) Plug the power adapter into the camera and then into the power outlet.

CAUTION: Make sure to only use the power adapter supplied with IPCAM. Using a non-approved power adapter may damage the camera.

(4) The camera takes approximately 30 seconds to start up before it displays an IP address on the **IP Camera Tool** (details: 2.1)
(5) When the camera is powered and network cable plugged correctly. The small green light (network jack) will turn on and the small yellow light will flash. The network light will blink. (about 1~2 times per second) The power light will turn on too.

2 SOFTWARE OPERATION

2.1 IP Camera Tool

When the Device has been mounted properly, you can double click the icon “IP Camera Tool”

and a dialog box as Figure 2.1 will pop up.

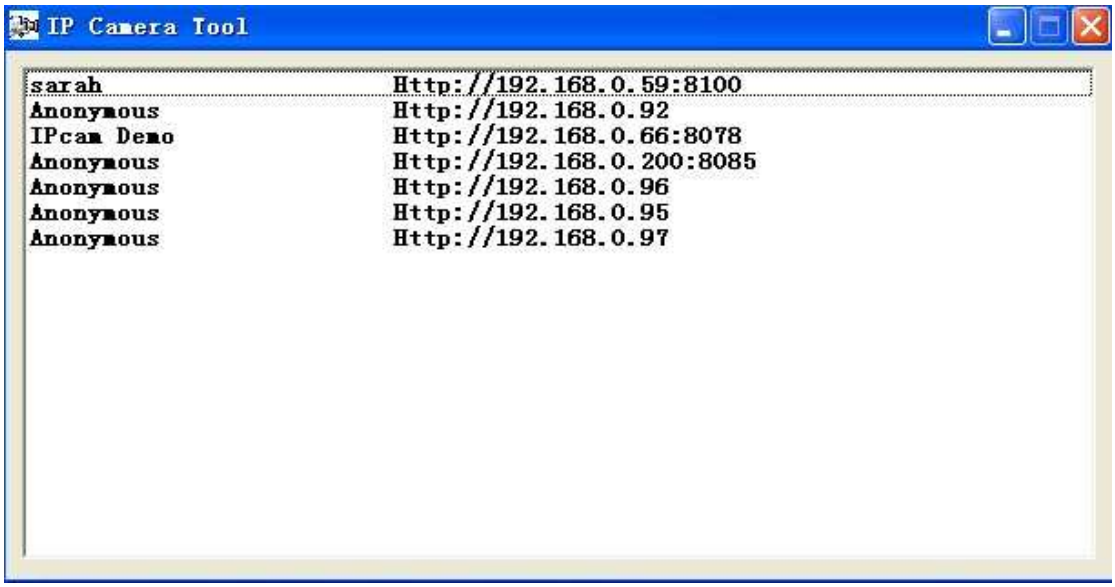

Figure 2.1

The software searches IP Servers automatically over LAN.

There are 3 cases:

(1) No IP Camera found within LAN. After about 1 minute search, the Result Field will show "not found IP Server" and the program shut automatically.

(2) If IP Cameras having been installed within LAN. All the IP Cameras will be listed and the total number is displayed in the result field as shown in Figure 2.1.

(3) The IP Cameras installed within LAN do not share the same subnet with the monitoring PC. A prompt as shown in result field (prompt: **Subnet doesn't match, dbclick to change!**). Click the left mouse button to choose the prompt and click the right mouse, choose **Network Configuration** to set the IP address of the Camera to the same subnet as LAN. (Figure 2.5)

You can choose obtain IP from DHCP server or set a static IP for the camera. (Figure 2.4)

NOTE: If you could not find the camera's IP on the IP camera tool.

Please check if DHCP is enabled in your router, or disable MAC address filter.

Make sure that firewall or antivirus software doesn't block the camera.

Six Options

Choose the IP Camera list and Click right mouse button; there are six options, Basic Properties, Network Configuration, Upgrade Firmware, Refresh Camera List, Flush Arp Buffer and About IP Camera Tool as shown Figure 2.2.

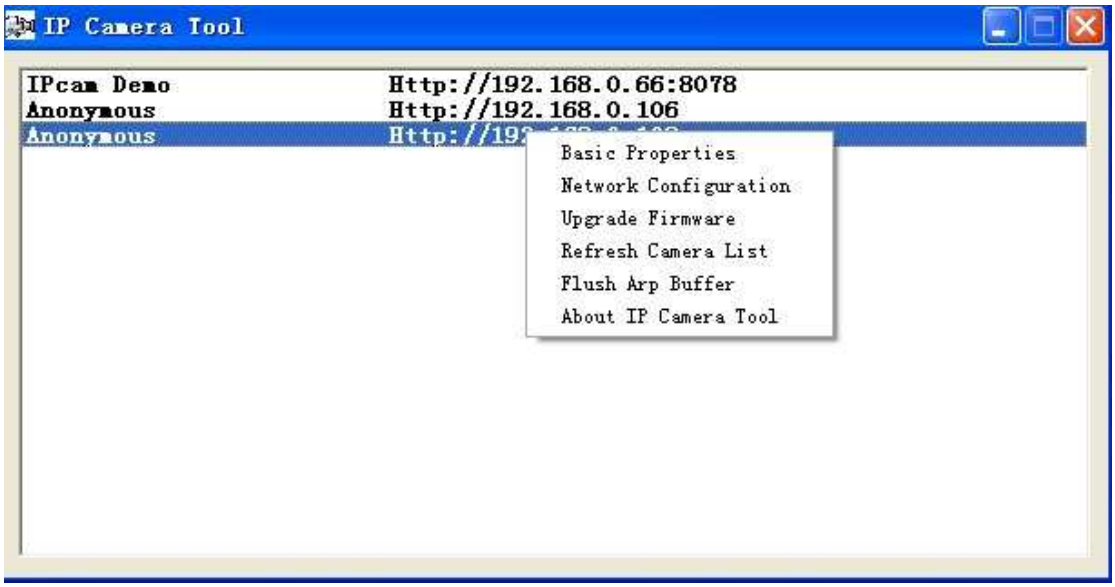

Figure 2.2

- **Basic Properties**

There are some devices' information in the Basic Properties, such as **Device ID, System Firmware Version,** and **Web UI Version.** (Figure 2.3)

If there are several cameras on the list, you can choose basic properties to check the device ID and recognize the IP address belong to which camera you set up, such as Device ID is 00606E8C5058, you can find the same MAC ID sticker at the bottom/back of the camera.

Each camera has its only MAC ID. Sometimes, if you couldn't find the camera's IP on the IP Camera Tool. May be the firewall block it, you can add this MAC ID to your router and give it a fixed IP or add the MAC ID as a trusted site. There are two MAC addresses, one is Wired MAC and the other is WIFI MAC.

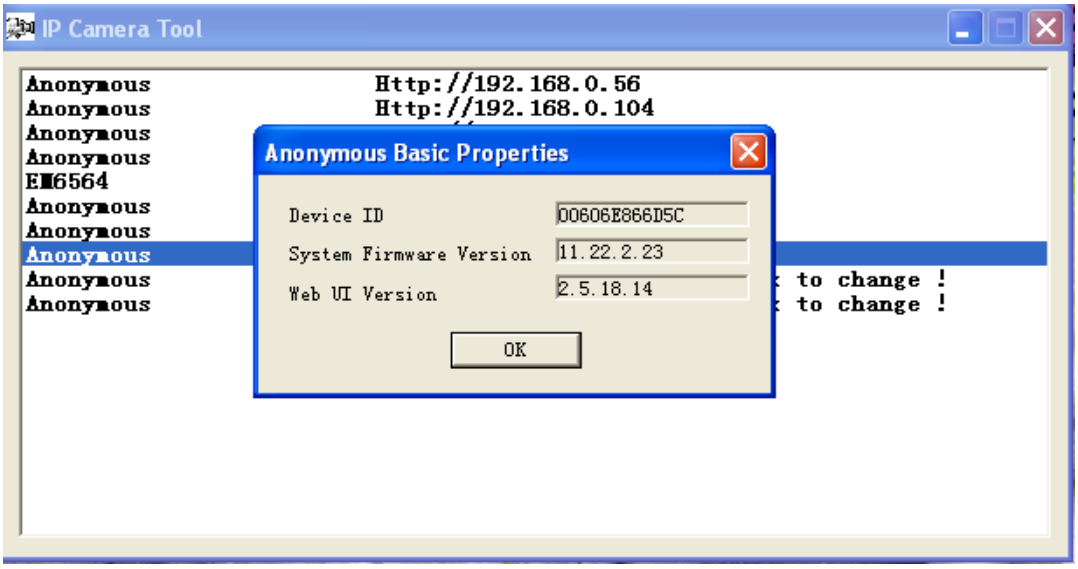

Figure 2.3

- **Network Configuration**

In this page, you can configure the Network parameters.

Figure 2.4

Obtain IP from DHCP server: If checked, the device will obtain IP from DHCP server. In other words, the camera will have a dynamic IP. (Make sure the Router which the camera connects has DHCP function and DHCP is enabled).

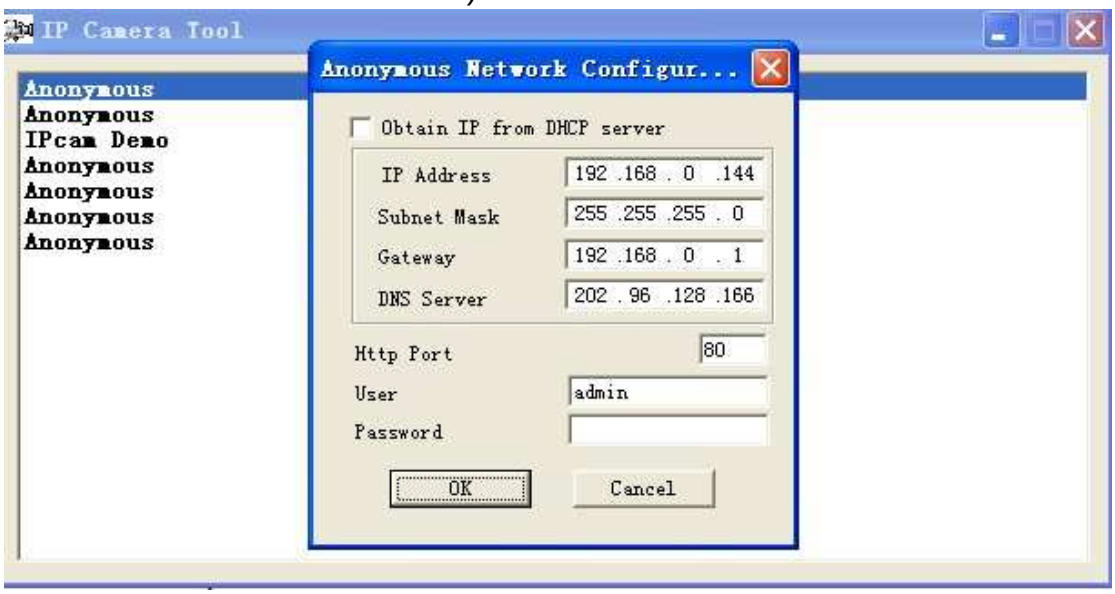

Figure 2.5

IP Address: Fill in the IP address assigned and make sure it is in the same subnet as your computer or router. (I.e. the first three sections are the same)

Subnet Mask: The default subnet mask of the equipment in our LAN is: 255.255.255.0.You can find the subnet mask in the basic information of your router or the locally-attached of your PC.

Gateway: Make sure it is in the same subnet with PC's IP address. Here gateway is your router's LAN IP.

DNS Server: IP address of ISP network provider. You can find the DNS server in your router or check the locally-attached of your computer. Locally-attached of PC contains your PC's IP address, gateway and DNS server. Normally, there are two DNS servers. Here you can also set the DNS server the same with gateway.

Http Port: LAN port assigned for the equipment usually is 80.You can set another port number, such as port 8005, 85, 8100.etc.

User: Default administrator user name is admin

Password: Default password is blank, no password.

NOTE: If the prompt “Subnet doesn’t match, dbclick to change!” appeared, please enable DHCP and choose obtain IP from DHCP server or set camera’s IP address and gateway once again.

- **Upgrade Firmware**

Enter the correct User and Password to upgrade system Firmware and Web UI. If you upgrade the camera, Please **upgrade system firmware** first and then **upgrade web UI**. Or it may damage the camera.
Please download the firmware package under the correct type of your camera before upgrade. Follow the upgrade document in the package carefully to upgrade. Please look readme first before you upgrade.

CAUTION: Please don’t upgrade the firmware freely. Sometimes, your camera may be damaged if operate wrong during upgrade. If your camera works well with the current firmware, we recommend you’d better not upgrade it.

NOTE: If you download the firmware. Please check if bytes of the two .bin file are exactly the same with the size in readme. If it fits, you can upgrade it. If not, please download the firmware again until the bytes are exactly the same with the official size. Otherwise, your camera would be crashed by the firmware which loose frame.

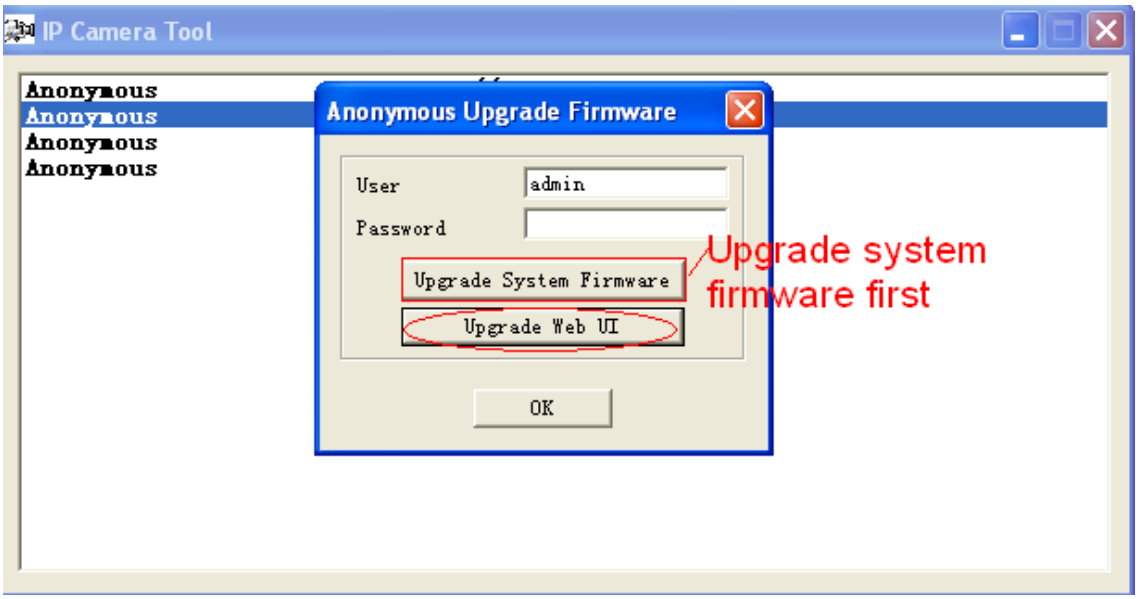

Figure 2.6

- **Refresh Camera List**

Refresh camera list manually.

- **Flush Arp Buffer**

When wired and wireless of the camera both are fixed IP address. There is a problem you may encounter is can search the camera IP but can’t open the camera webpage. You may try to use flush Arp buffer.

- **About IP Camera Tool**

Choose here and you can see the version of the IP Camera Tool.

2.2 Camera Login

You can access the camera through **IP Camera Tool** or **IE, Firefox, Google chrome, safari or other stand browser** directly.
(1) Double click the IP address of the IP Camera listed (Figure 2.1).The browser you use will be opened automatically and display the camera login page. (Figure 2.8)
(2) Access the camera by IE browser directly, type in the camera's IP address. For example:

Figure 2.7

Figure 2.8

The default user is admin, no password.
There are two modes to login. If you use IE browser, please choose activeX mode to login. If you use Firefox or Google chrome, please choose server push mode to login. (Figure 2.9)

Real-time IP Camera Monitoring System
English Spanish Deutsch French Italian Polski 简体中文 繁体中文
ActiveX Mode (For IE Browser)
User
admin
Password
Login
If you use IE browser,choose here to login
Server Push Mode (For FireFox, Google Browser)
Login
If you use firefox,google chrome,safari, choose here to login
Model NO.: FI8918W
Attention:
Case sensitive
Propose using 1024 * 768 screen resolution

Figure 2.9

For IE browser

Fill in user name and choose the first login.

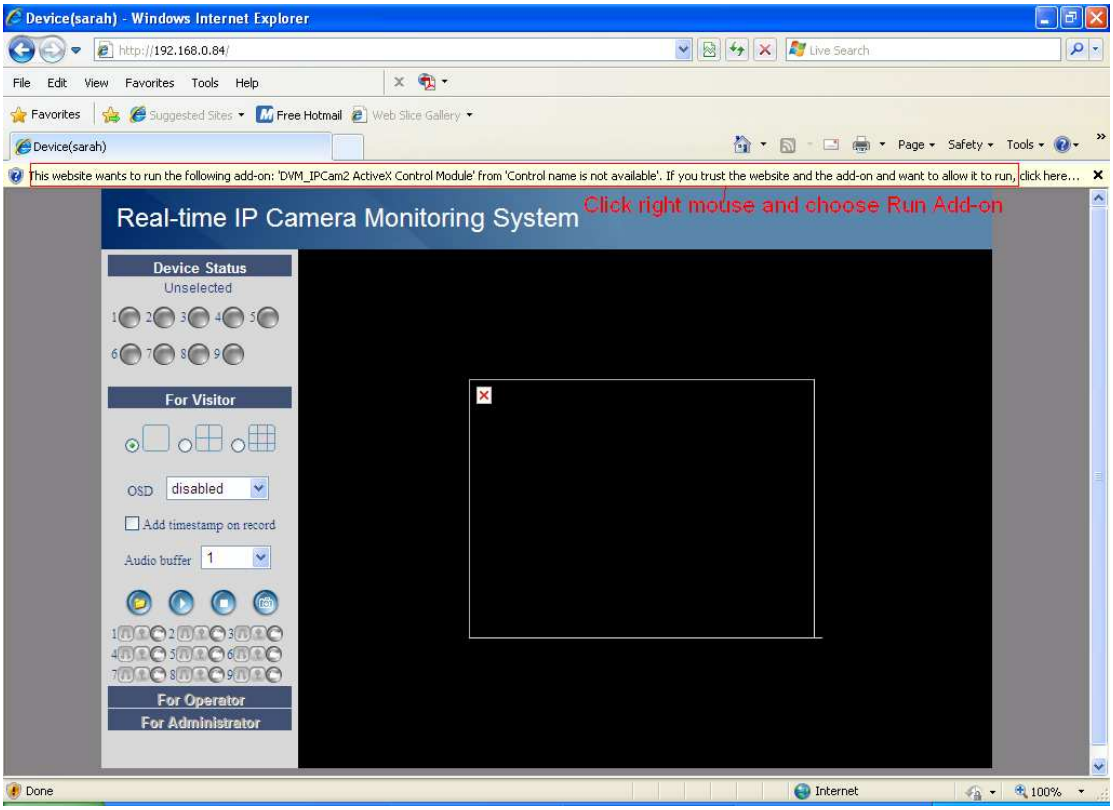
Device(sarah) - Windows Internet Explorer
This website wants to run the following add-on: 'DVM_IPCam2 ActiveX Control Module' from 'Control name is not available'. If you trust the website and the add-on and want to allow it to run, click here...
Real-time IP Camera Monitoring System
Click right mouse and choose Run Add-on
Device Status
Unselected
For Visitor
OSD
disabled
Add timestamp on record
Audio buffer
For Operator
For Administrator
Done
Internet

Figure 2.10

The first time you login the UI. You will meet activeX prompt like the picture above. (Figure 2.10) Please click right button on the information and choose **Run Add-on**.

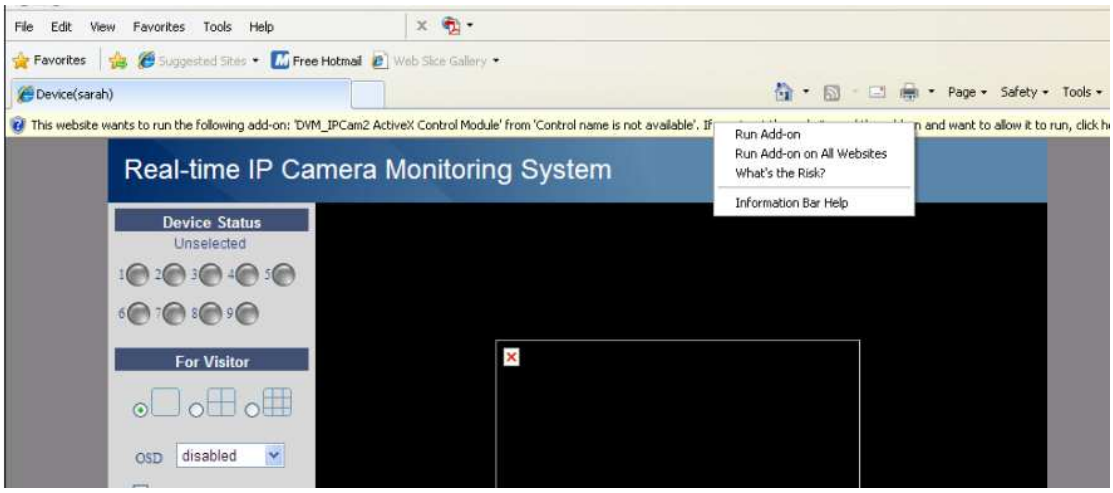

Figure 2.11

You will see the picture below (Figure 2.12). Click **Run** and it will return to the login interface. Fill in the user name and choose login again.

You will see living video. (Figure 2.13)

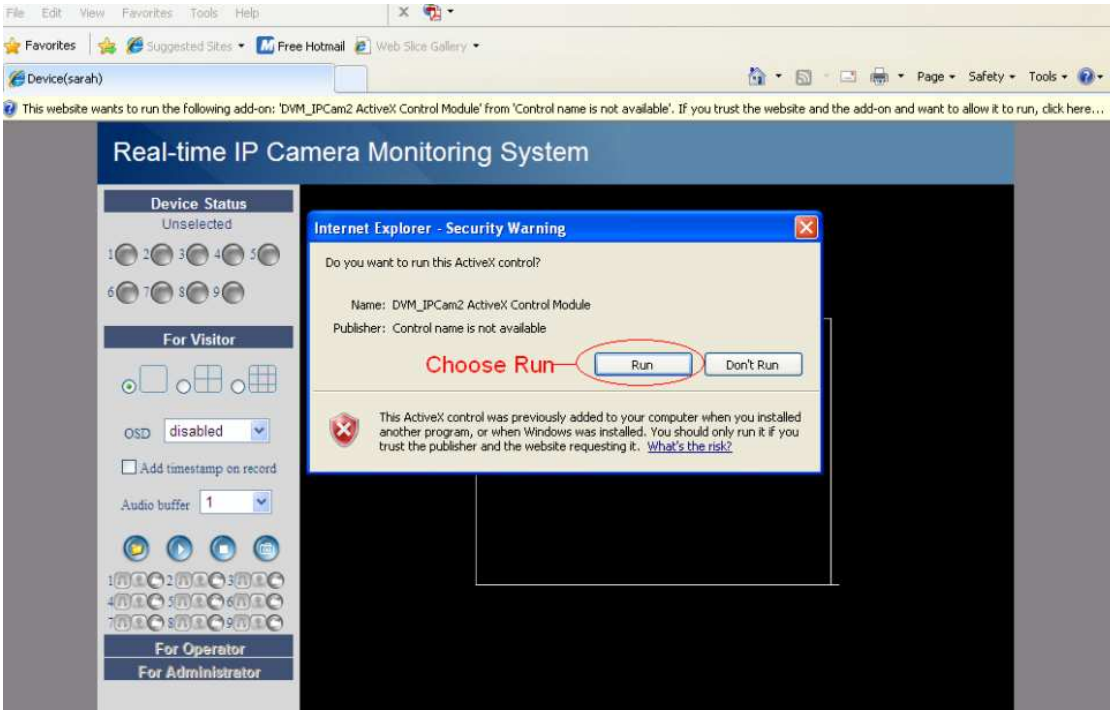
Favorites
Free Hotmail
Device(sarah)
Page Safety Tools
This website wants to run the following add-on: 'DVM_IPCam2 ActiveX Control Module' from 'Control name is not available'. If you trust the website and the add-on and want to allow it to run, click here...
Real-time IP Camera Monitoring System
Device Status
Unselected
For Visitor
OSD
disabled
Add timestamp on record
Audio buffer
1
For Operator
For Administrator
Internet Explorer - Security Warning
Do you want to run this ActiveX control?
Name: DVM_IPCam2 ActiveX Control Module
Publisher: Control name is not available
Choose Run
Run
Don't Run
This ActiveX control was previously added to your computer when you installed another program, or when Windows was installed. You should only run it if you trust the publisher and the website requesting it. What's the risk?

Figure 2.12

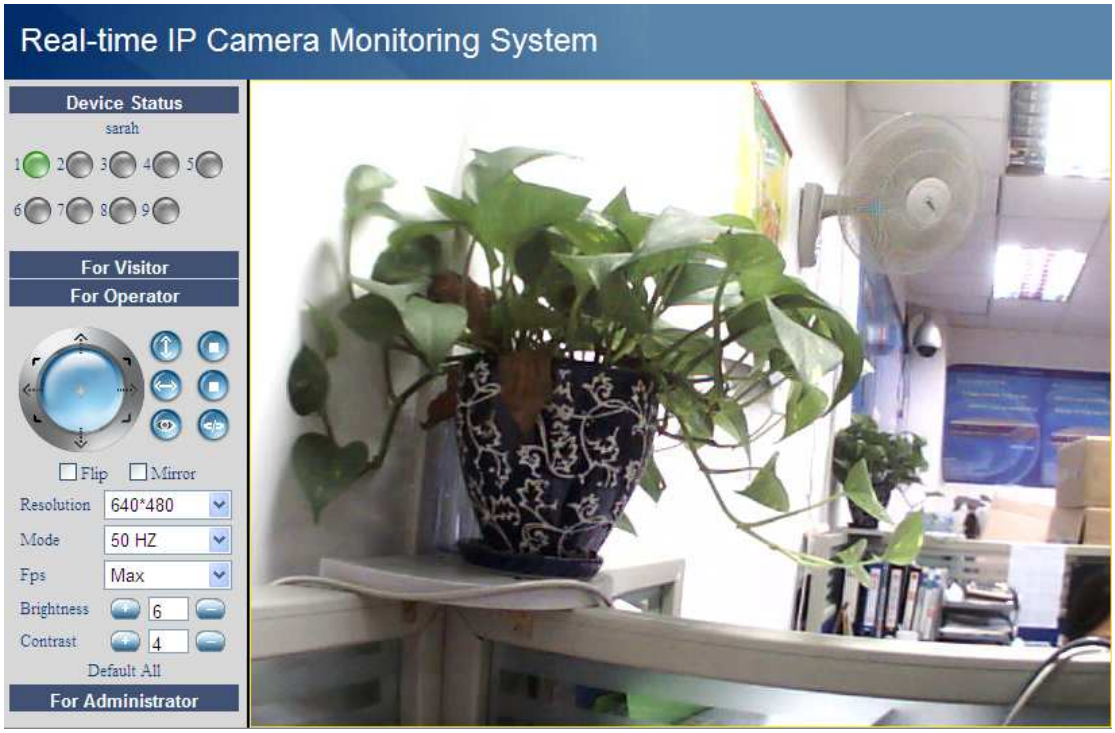

Figure 2.13

NOTE: If you could not view living video after run the activeX. Only a red cross in the center of the video or just a black screen. Please change another port number to try. Don't use port 80.Use port 85, 8005 or 8100 to try.

Make sure that firewall or antivirus software on your computer does not block the activeX. If you could not run the activeX as the way above, please shut down the firewall or antivirus to try again.

For Firefox, Google chrome, safari or other standard browser.

Fill in user name and choose the second login mode to login.

It may ask you for user name and password again before you login the UI.

After you enter user name, you will see **Device Status** of the camera.

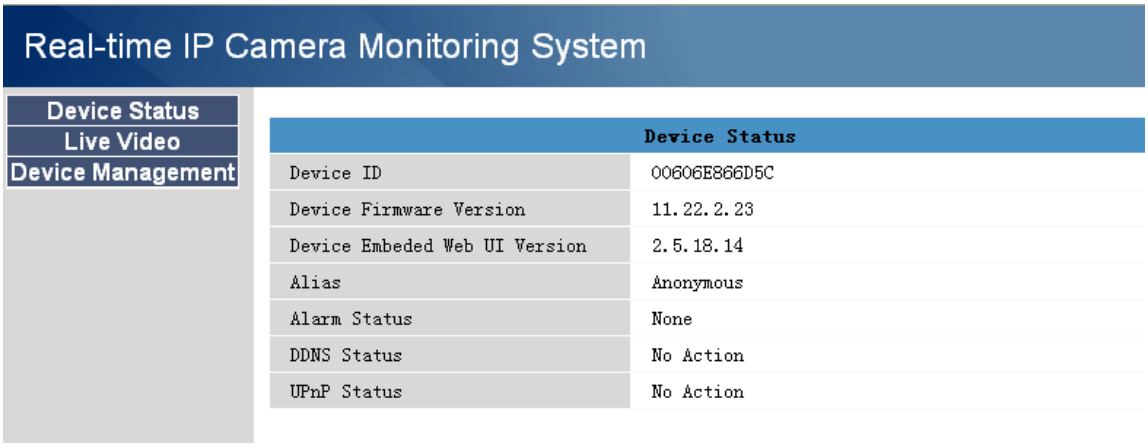

Figure 2.14

Click **Live Video**, you will see living video.

Figure 2.15

2.3 Device Status

For IE browser

If the camera is well connected. The light of the device status will show green.

Or it will show yellow. If it shows yellow, please check if the activeX is enabled or change another port number to try again.

Figure 2.16

If you want to view device information. Choose **For Administrator** and then click **Device info**.

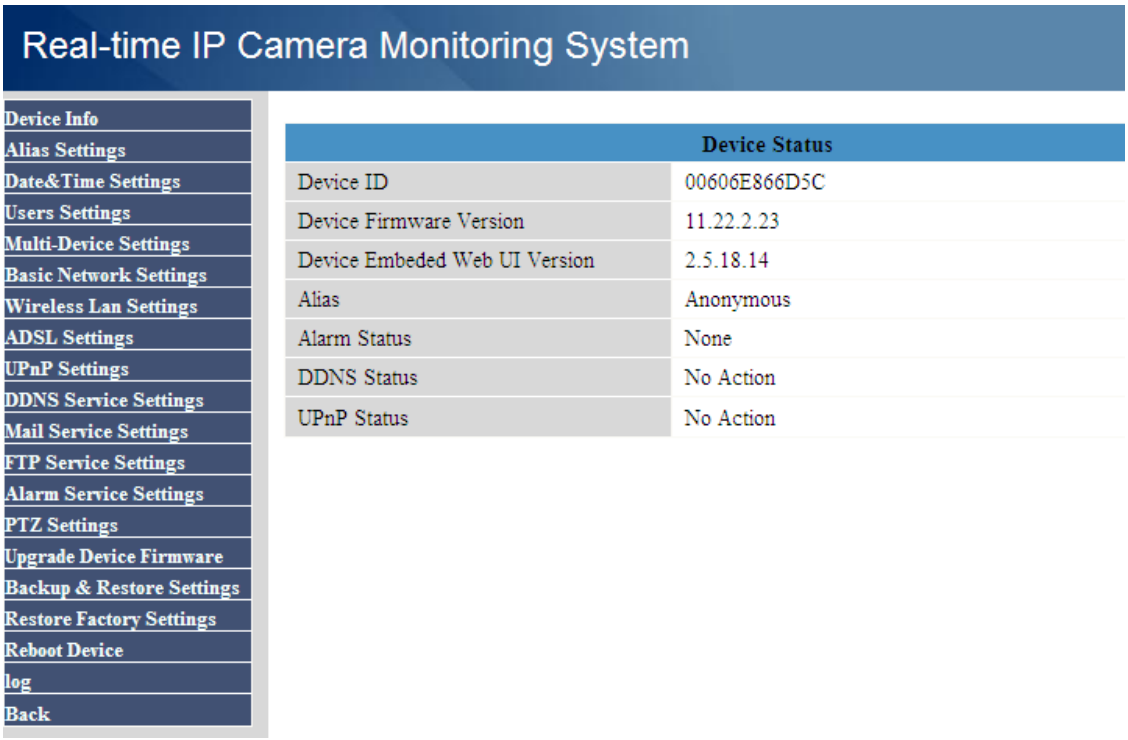

Figure 2.17

For Firefox, Google chrome and safari

When you login the UI. You will see Device Status which is same like Device Info in IE browser. (Figure 2.14)

2.4 For Visitor

For IE browser

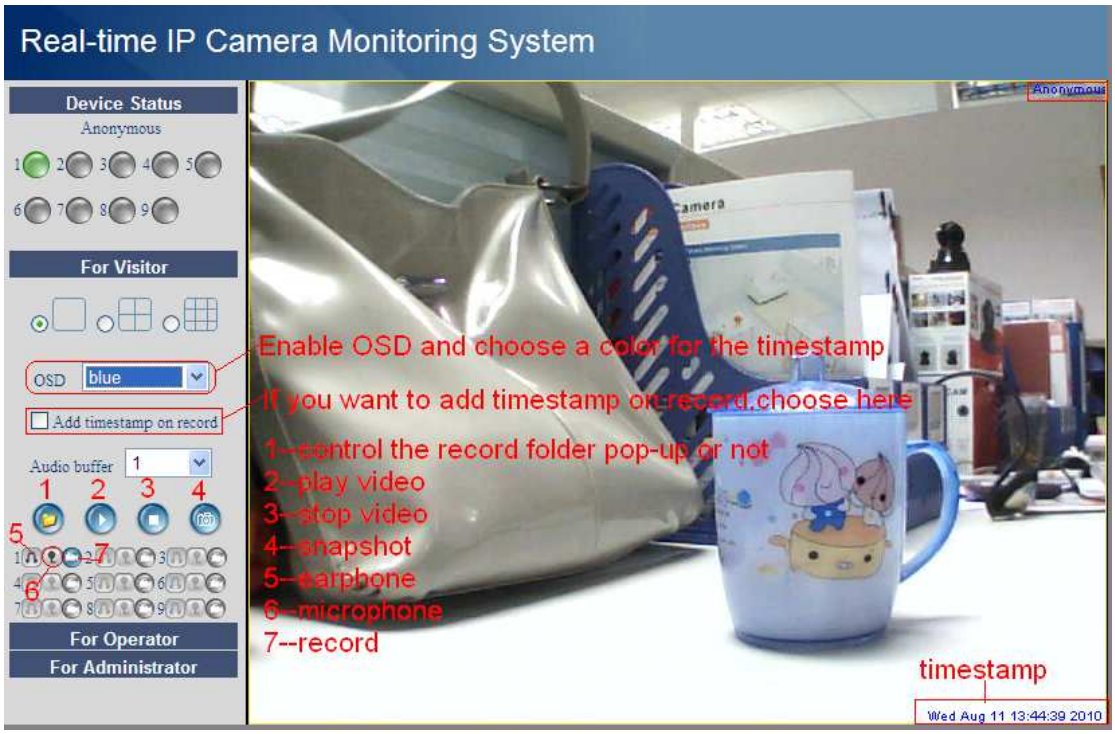

Figure 2.18

Multi-device window: The firmware inside the camera supports max 9 cameras monitoring at

the same time. You can add the other cameras in multi-device settings.
OSD: OSD is used to add timestamp on the video. There are five colors for the characters.
Add timestamp on record: If you want to add timestamp on record, choose the checkbox.
Audio buffer: The time of audio buffer. Unit is second.

: When you enable motion alarm, camera will record automatically and store the recording file to the folder you set. This icon is used to control the folder pop-up automatically or not.

: Click the icon and you will hear sound around the camera. You need plug earphone or speaker in the computer to get the sound. Camera has a build-in microphone; it will capture the sound around it when you turn on the microphone.

: Click the icon and then talk to the camera (with the microphone plugged in your computer), people will hear your talking around the camera. The sound will come out from the build-in speaker of the camera.
Record: Click the record icon. The camera will begin recording and store the .avi file to the folder you set. (Figure 3.3) Click again it will stop.
For Firefox, Google chrome and safari
You will see the picture like Figure 2.14 when you login the camera as visitor.

2.5 For Operator

For IE browser
Click for operator. You will see the following picture. (Figure 2.19)

Figure 2.19

: Click this icon; camera will rotate up and down. Click to stop.

: Click this icon; camera will rotate left and right. Click to stop.

: Click this icon, all the IR lights will turn on. Click to turn off them.

Flip & Mirror: You can choose flip or mirror if you set up the camera in a special position.
Mode: There are three modes. (50HZ, 60HZ and outdoor)
Brightness and **Contrast** are also used to adjust the quality of the video.
For Firefox, Google chrome and safari
Click **Live Video**. You can see the difference from IE and Firefox.
In IE, there is a button for default all the settings. In Firefox, the snapshot button is under for operator. Add the other two function; refresh video and refresh parameters. (Figure 2.20)

Figure 2.20

2.6 For Administrator

For IE browser
Click **For Administrator**. You will see the **Device Status**.
It contains device ID, firmware version of the camera and other status of the camera.

Device Status	
Device ID	00606E866D5C
Device Firmware Version	11.22.2.23
Device Embeded Web UI Version	2.5.18.14
Alias	Anonymous
Alarm Status	None
DDNS Status	No Action
UPnP Status	No Action

Figure 2.21

For Firefox, Google chrome and safari

Click **Device Management** and you will enter the settings page for administrator.

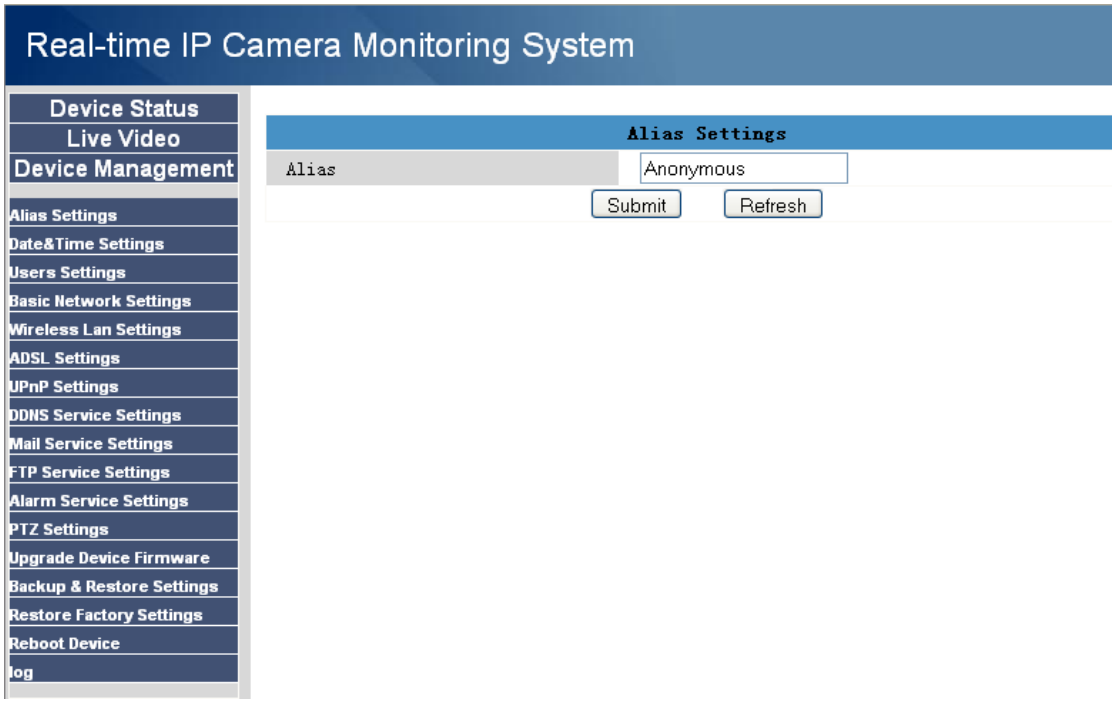

Figure 2.22

We can see the difference from Figure 2.21 and Figure 2.22.

Figure 2.21 has the three following options that Figure 2.22 does not have.

Device Info: In fact. Click **Device Status** when you use Firefox or Google browser. You will see the same information with Figure 2.21.

Multi-Device Settings: The function is controlled by the activeX, so if you use Firefox or Google browser. It is impossible to use this function.

Back: In Firefox or Google browser. It is easy to click Live Video or Device Status to go back.

NOTE: Audio, record and multi-device function are controlled by activeX controller, so if you use firefox or google chrome, it is impossible to find these options.

3 How to do settings in For Administrator

3.1 Alias Settings

Default alias is anonymous. You can set a name for your camera here. Such as Ipcam, then click **Submit** after change this.

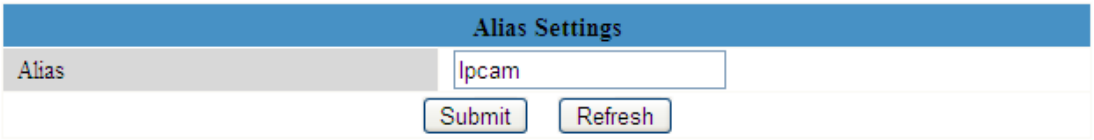

Figure 3.0

3.2 Date & Time Settings

Choose clock timezone of your country. You can choose **Sync with NTP Server** (Figure 3.1) or **Sync with PC Time**. (Figure 3.2)

Figure 3.1

Figure 3.2

3.3 User Settings

You can set permission for visitor, operator and administrator.
Click **Submit** after finish these settings. The camera will reboot.

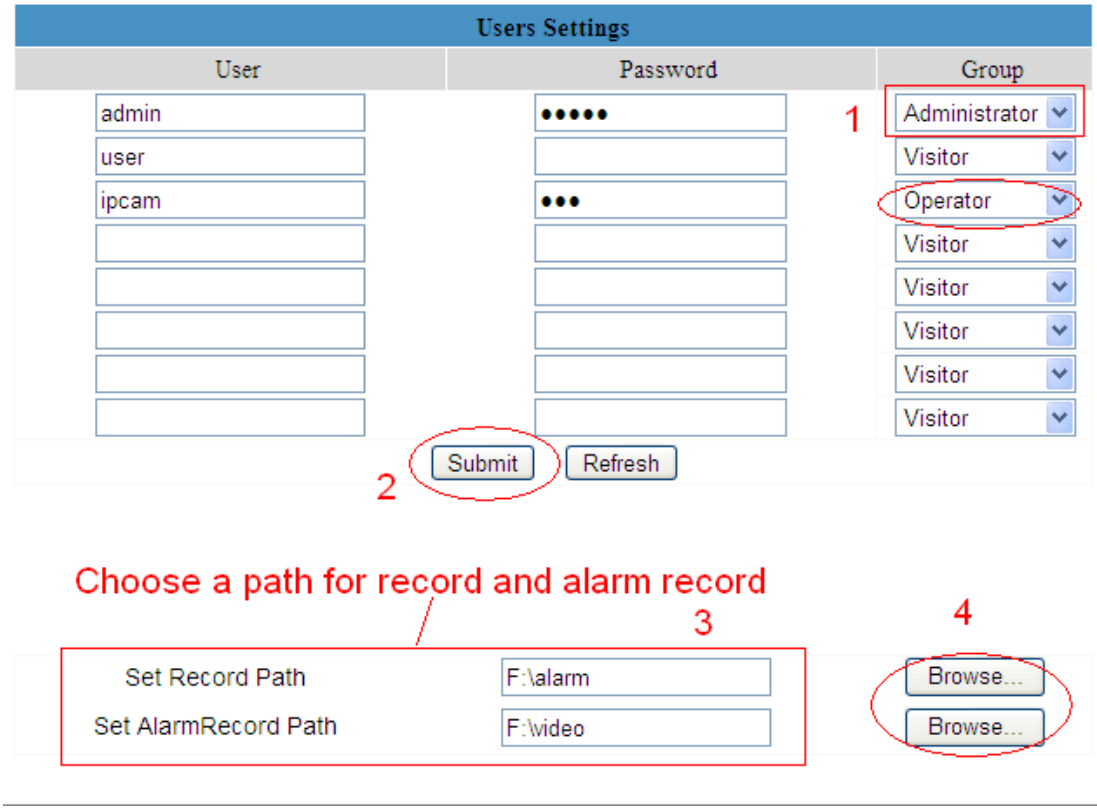

Figure 3.3

Here you can set record path and alarm record path for the camera. Click **Browse** and choose path for them. Record path will store the recording file when record manually. (Click record icon to record. Figure 2.18)

Alarm record path will store the recording file when motion trigger. (Set motion alarm first. (Figure 3.23)

The both default path is C:\Documents and Settings\All Users\Documents.

NOTE: In Windows7 or Vista, if you could not change the record path. Please set as below:

Windows7 or Vista's security level is higher than Windows XP/2000.For "set record path" function, user should add the Device IP address to the IE's 'Trusted sites' first. The step is:

IE browser→Tool→Internet Proper→Security→Trusted sites→Sites→Add

3.4 Multi-Device Settings

The firmware inside the camera can support max 9 device monitoring at the same time.

3.4.1 Add cameras in LAN

In Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is the default one. You can add more cameras in the list in LAN for monitoring. The inside software of camera supports up to 9 IP Cameras online simultaneously. Click **The 2nd Device** and click the item in the **Device List in LAN**, Alias, Host and Http Port will be filled in the boxes below automatically. Enter the correct username and password then click **Add**. Add more cameras in the same way. After add all cameras. Please choose **Submit**.

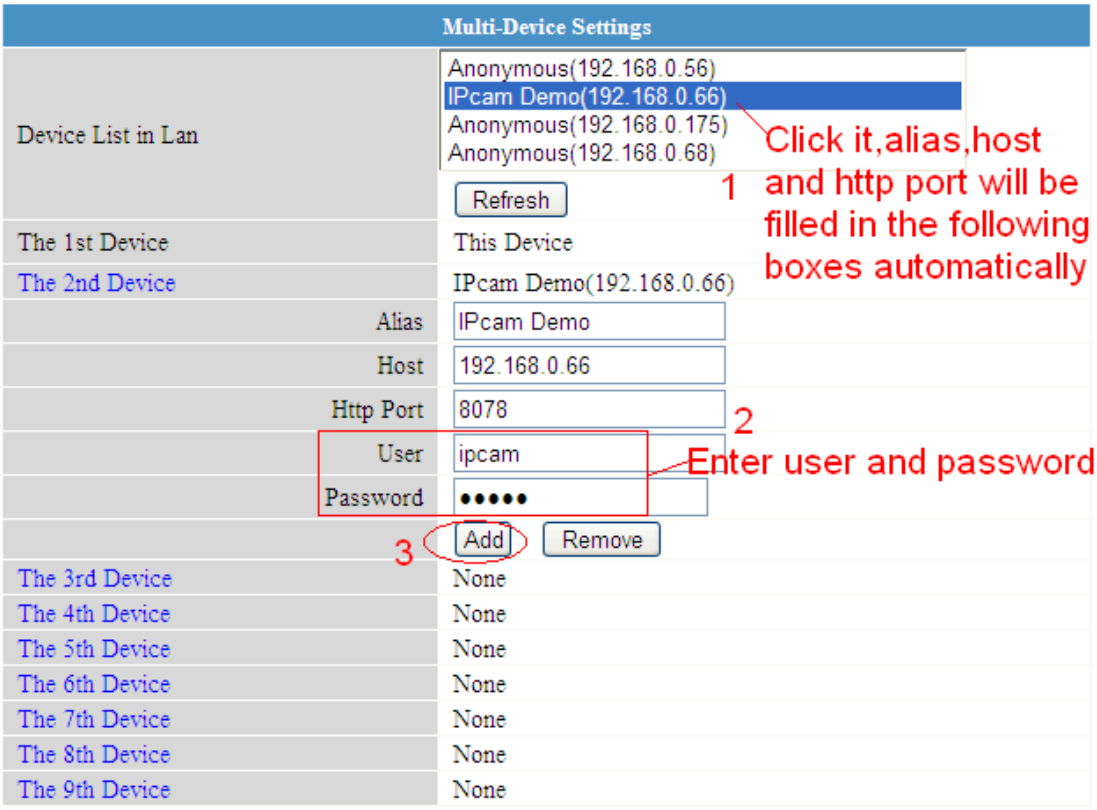

Figure 3.4

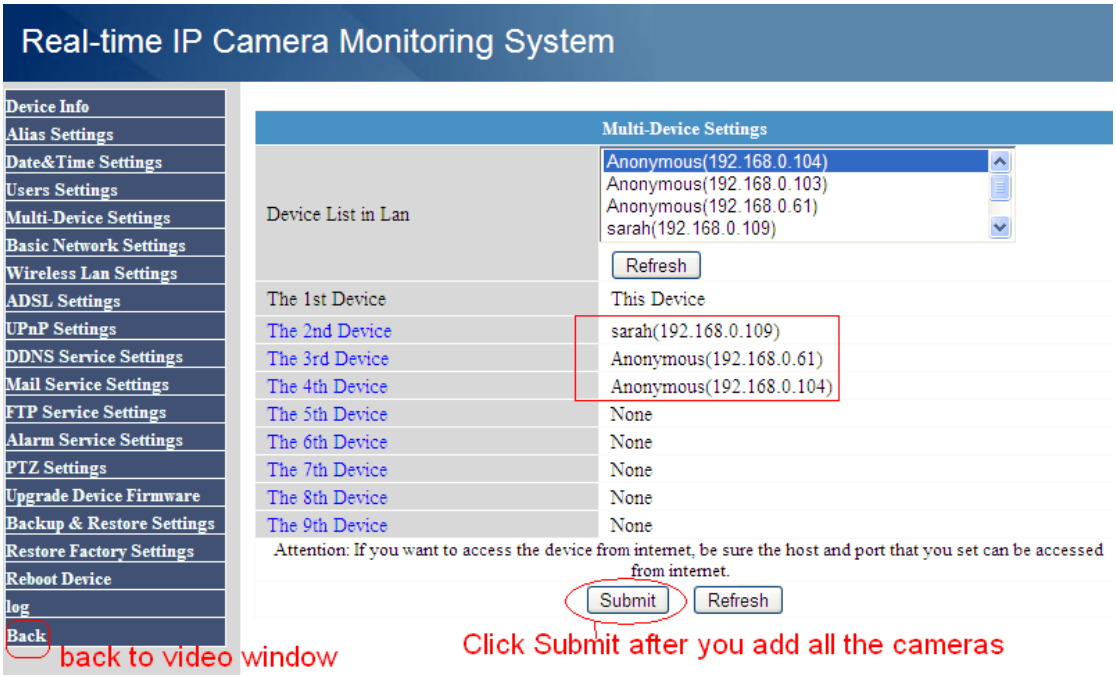

Figure 3.5

Choose **For Visitor** and then click four windows. You will see all the four cameras you add.

Figure 3.6

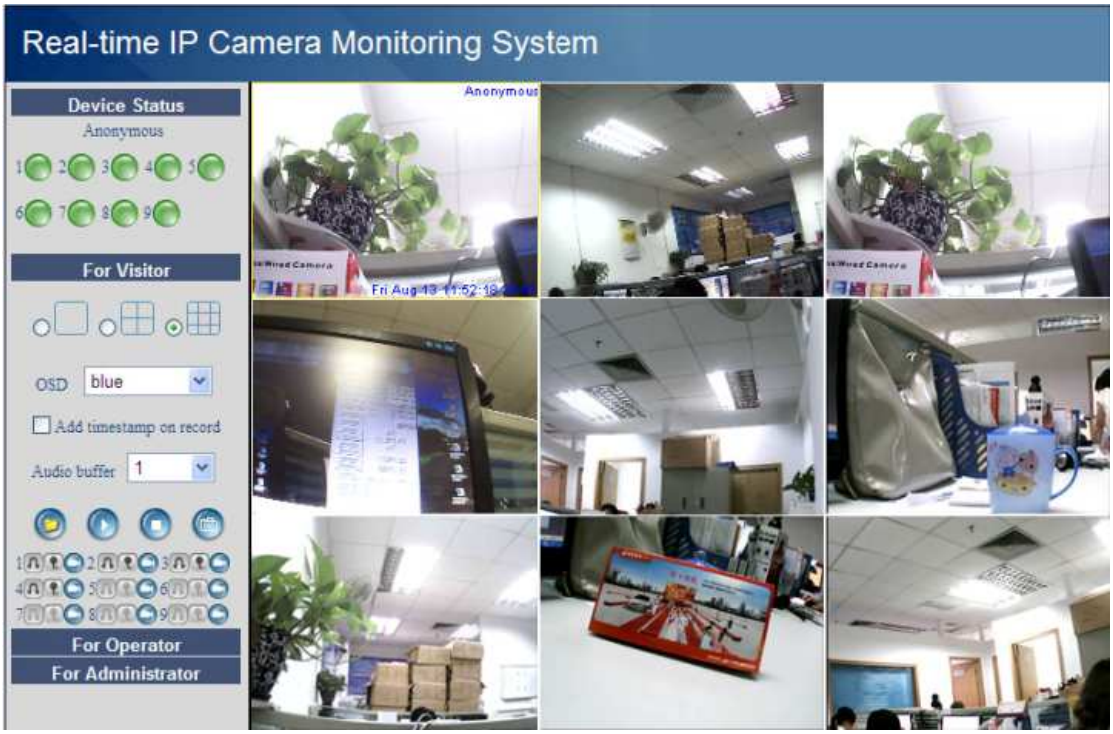

Figure 3.7

3.4.2 Add cameras in WAN

If you want to view all cameras in internet. (remote computer) You need add them use DDNS domain name. Firstly, make sure all of the cameras you will add can be accessed in internet. (View **How to set DDNS settings** in **Quick Installation Guide**)
Login the first camera use DDNS domain name and port.

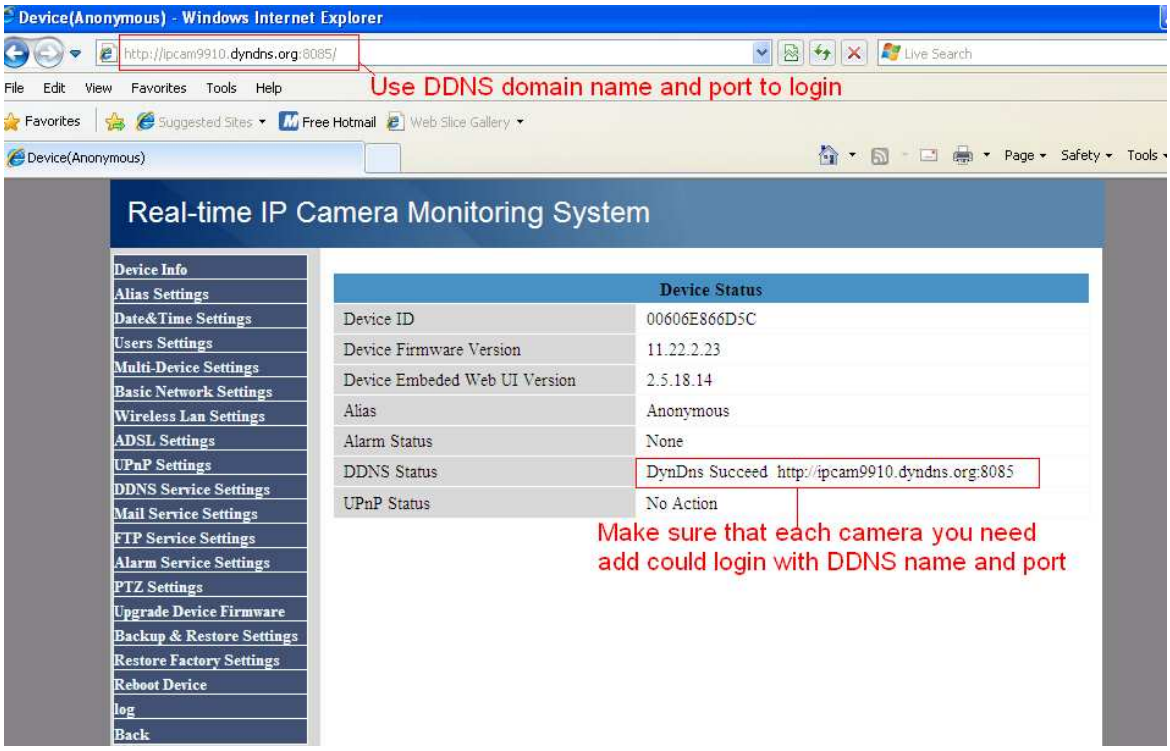

Figure 3.8

If you have several cameras, you can use the same DDNS domain name; only need set different port number for each camera.

Click **Multi-Device Settings**. Choose **The 2nd Device**. Fill in the 2nd camera's name, DDNS domain name, port number. Enter user name and password and then choose Add. (Figure 3.8)

NOTE: Here Host must be filled in the second camera's DDNS domain name, not its LAN IP.

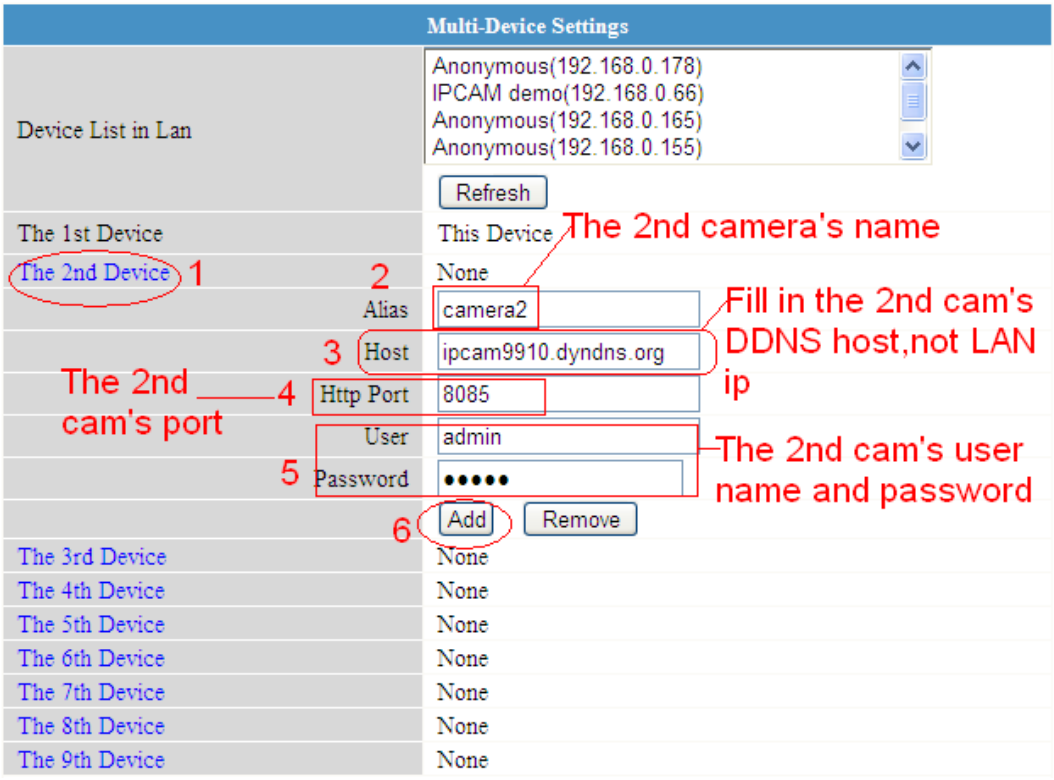

Figure 3.9

Add the other cameras in the same way. Click **Submit** after add all of them.

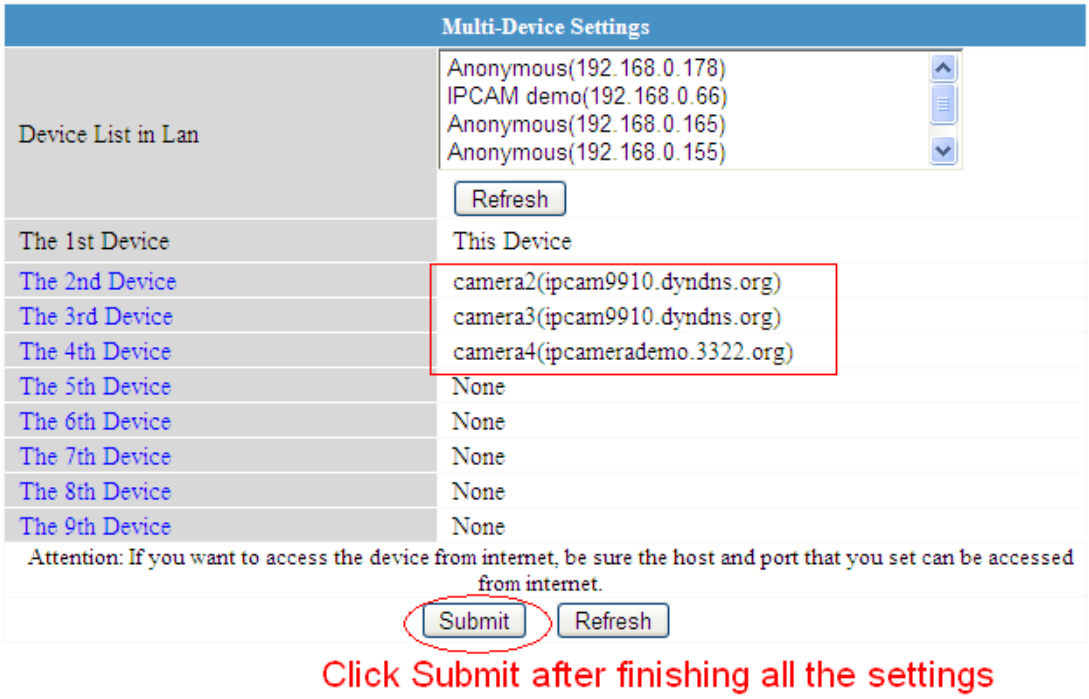

Figure 3.10

Go back to video window. You will see all of the cameras in internet.

When you out of town, you can use the first camera's DDNS domain name and port to view all the cameras via internet.

Figure 3.11

3.5 Basic Network Settings

If you want to set a static IP for the camera, you need set **Basic Network Settings**. Keep the camera in the same subnet of your router or computer.

Basic Network Settings	
Obtain IP from DHCP Server	☐
IP Addr	192.168.0.165
Subnet Mask	255.255.255.0
Gateway	192.168.0.1
DNS Server	192.168.0.1
Http Port	8085
Network Lamp	☑

Submit Refresh

Figure 3.12

It is the same result if set these settings in IP Camera Tool. (Figure 2.5)

If you don't know subnet mask, gateway and DNS server. You can check your computer's local area connection. It contains all the information.

The step is **Control Panel→Network Connections→**Dbclick **Local Area Connections →** Choose **Support→Details**. You will see all the information in it. (Figure 3.14)

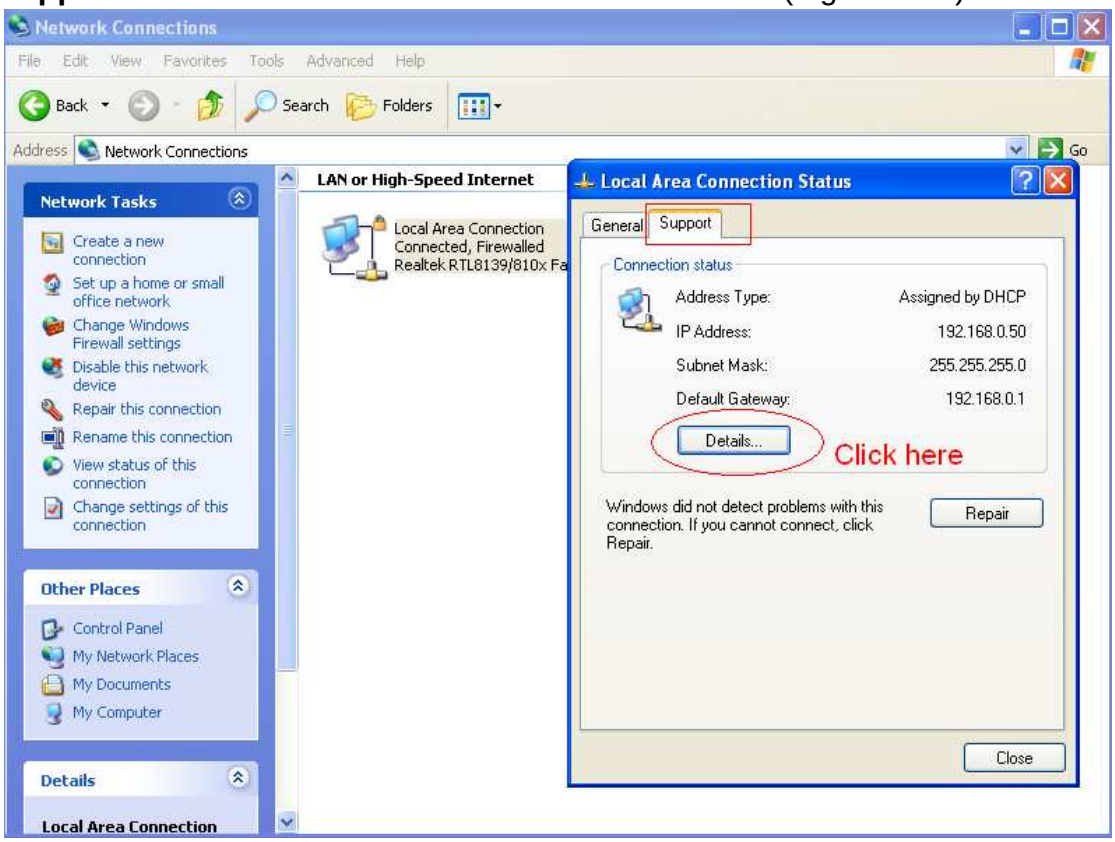

Figure 3.13

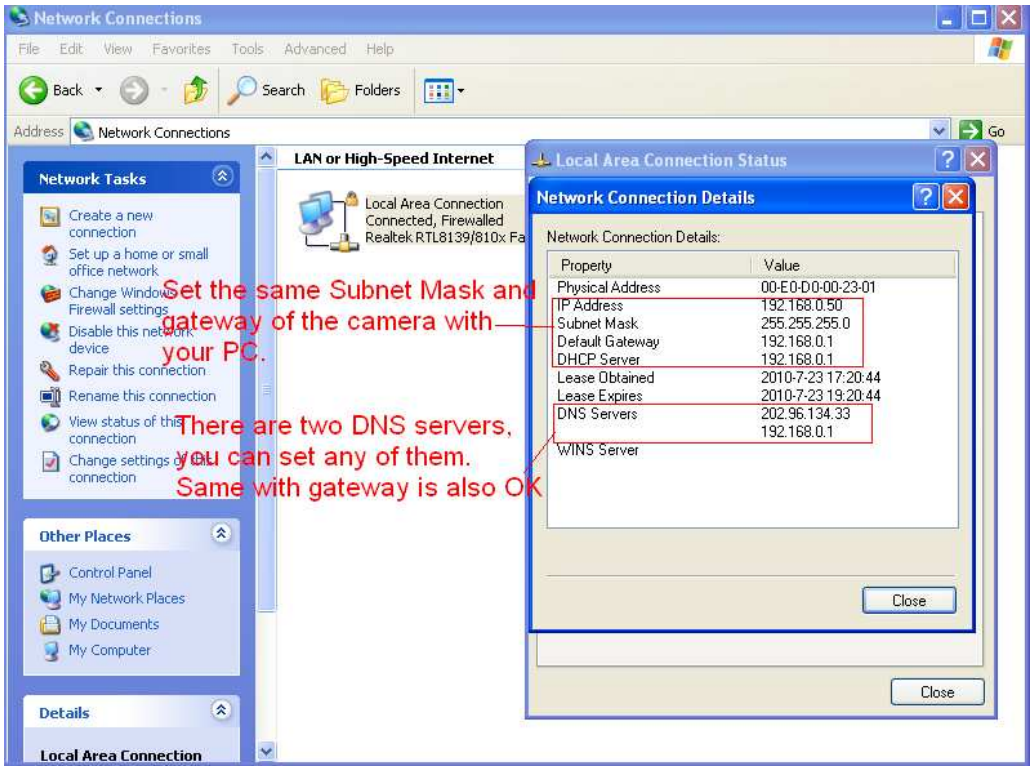

Figure 3.14

If you don't know DNS server, you can set it the same with gateway.

3.6 Wireless LAN Settings

Please view **How to set Wireless LAN Settings** in **Quick Installation Guide**.

3.7 ADSL Settings

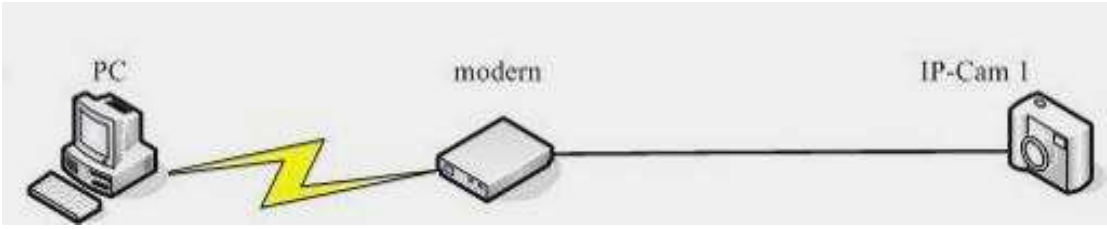

Figure 3.15

When connected to the Internet through ADSL directly, you can enter the ADSL username and password obtained from ISP.

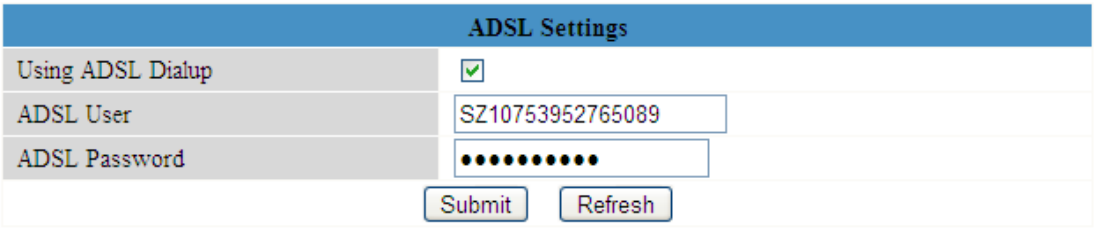

Figure 3.16

3.8 UPnP Settings

Choose **Using UPnP to MAP Port** and then click **Submit.**

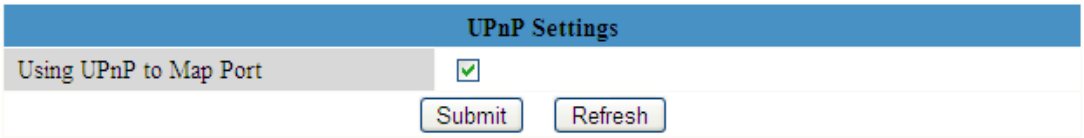

Figure 3.17

Here the software inside the camera for UPnP only contains port forwarding now. It also has much relation with security settings of your router, sometimes, it may show error information. So we recommend you do port forwarding manually in your router.

3.9 DDNS Service Settings

Please view the detail information in **Quick Installation Guide** about **How to set DDNS Service Settings**.

3.10 Mail Service Settings

If you want the camera send emails when motion trigger. You need set **Mail Service Settings**. Please set these settings as the following picture. (Figure 3.18)

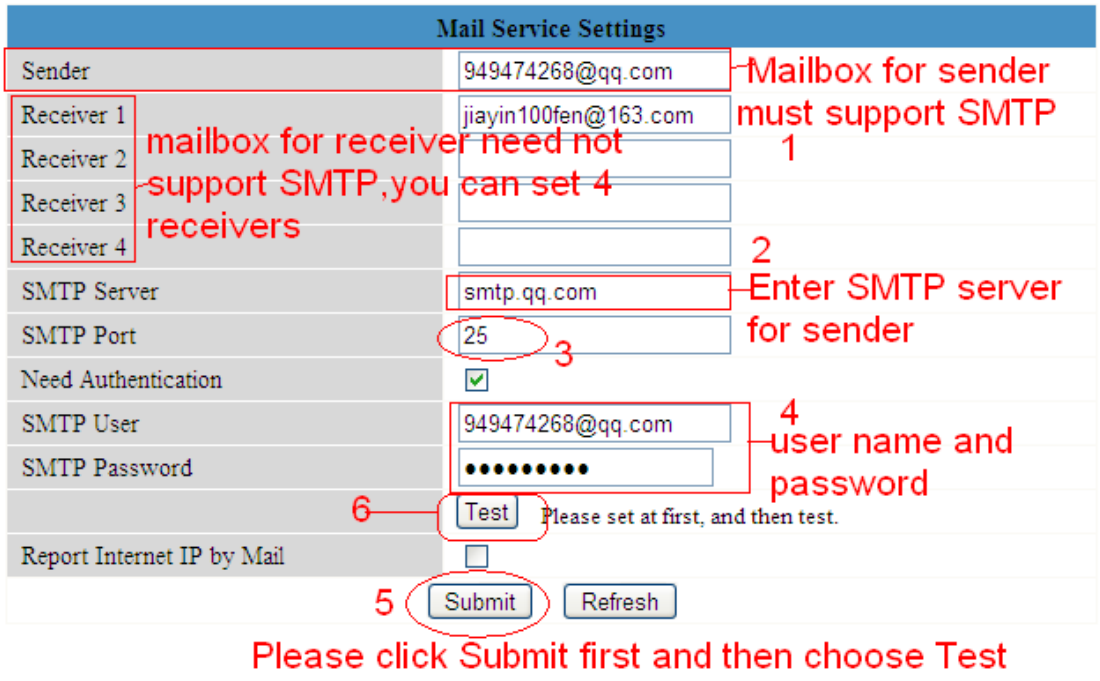

Figure 3.18

Make sure your mailbox for sender support SMTP. The mailbox should not enable SSL or TSL encryption too.

Here you can fill in four receivers to receive images. **SMTP port** usually is 25, some SMTP

server have its own port, such as 587 or 80.
NOTE: Please click **Submit** first before choose **Test**.
You will see the test result after click **Test**.

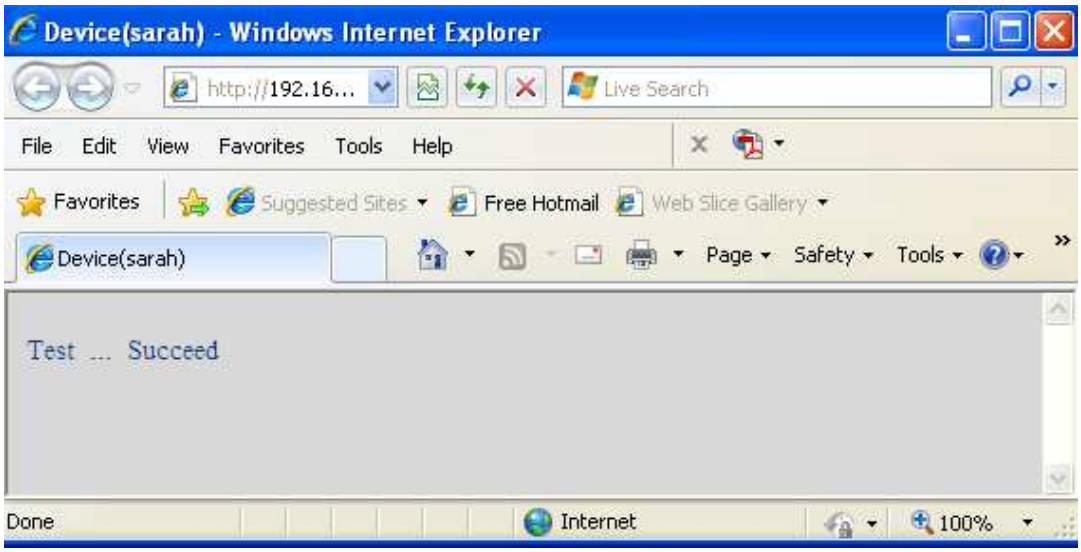

Figure 3.19

If it prompts these following errors when you click **Test**. Please check whether the information you filled in are incorrect. Make sure all of them are correct and try it again.
1) Can not connect to the server
2) Network Error. Please try later
3) Server Error
4) Incorrect user or password
5) The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again
6) The receiver is denied by the server. Maybe because of the anti-spam privacy of the server
7) The message is denied by the server. Maybe because of the anti-spam privacy of the server
8) The server does not support the authentication mode used by the device
Report Internet IP by Mail—If choose it, you will receive emails which contain internet IP. When camera power on or Internet IP changed, it will send the internet IP by mail. (For example: IPCAM's urls is http://119.123.207.96:8068). Make sure the port is map to the router correctly.

3.11 FTP Service Settings

If you want upload images to your FTP server. You can set **FTP Service Settings**.

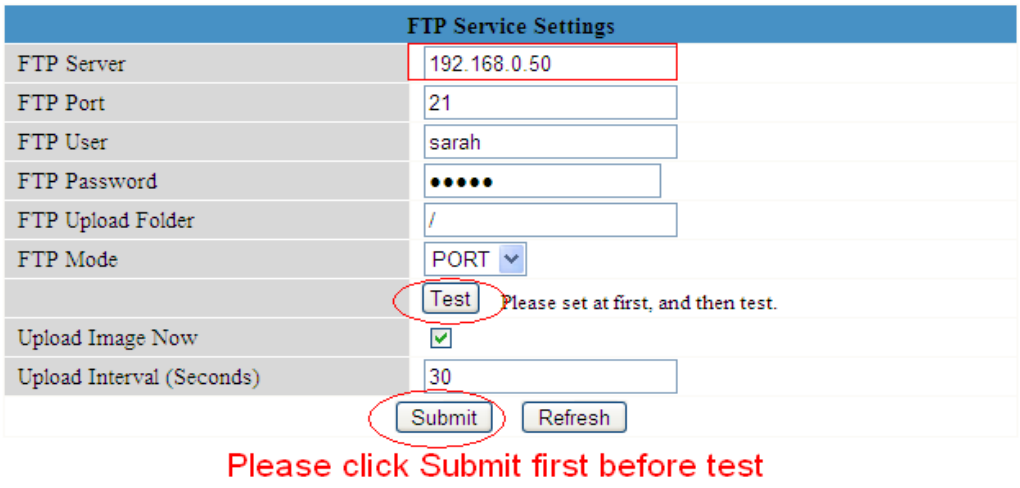

Figure 3.20

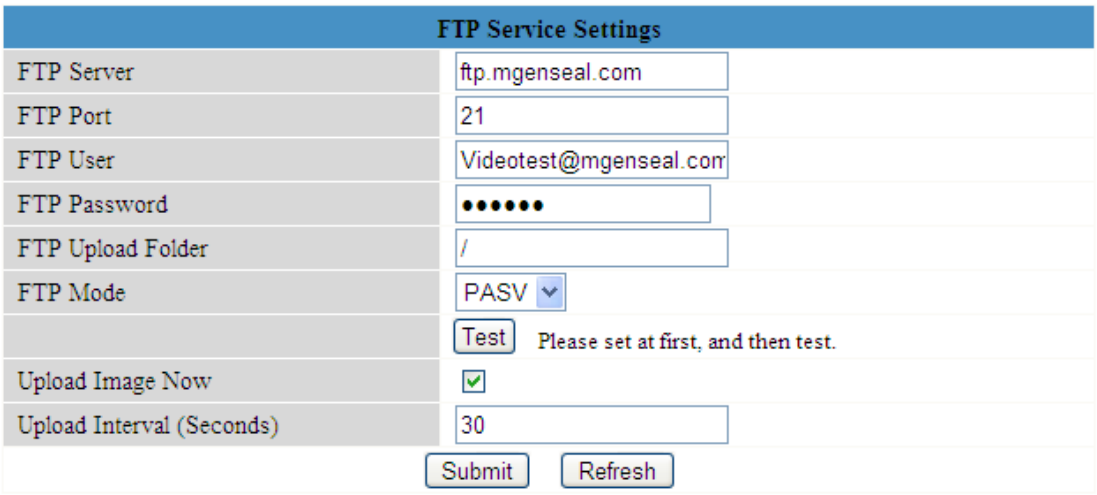

Figure 3.21

FTP server: If your FTP server is set up in LAN, you can set as Figure 3.20
If you have a FTP server which you can access in internet, you can set as Figure 3.21
FTP Port: Usually the port is 21
FTP Upload Folder: Make sure that the folder you plan to store images exists. For camera couldn't create the folder itself. Also, the folder must be erasable.
FTP Mode: It supports standard (POST) mode and passive (PASV) mode
Upload Image Now: It will upload images when you choose the checkbox. Here **Upload Interval** refers to the time between the current image and the next image.
Click **Submit** after these settings. Then click **Test**. You will see the following picture.

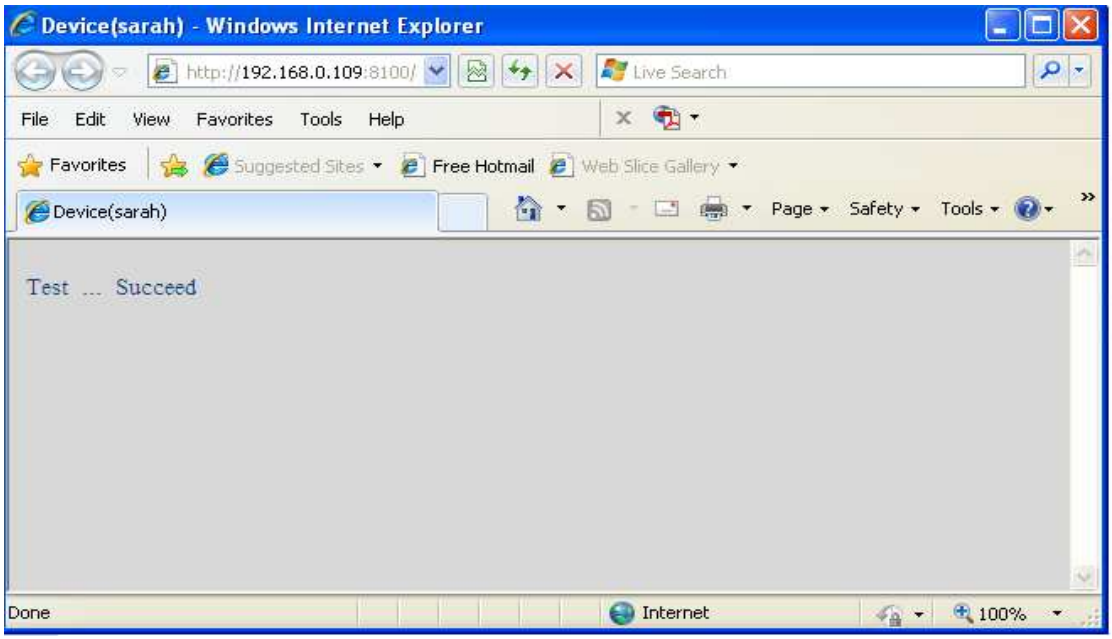

Figure 3.22

If it prompts error information as follows.
1) Can not connect to the server. Please check FTP Server is correct or not.
2) Network Error. Please try later.
3) Server Error.
4) Incorrect user or password. Please check the username and password is correct or not.
5) Can not access the folder. Please be sure the folder exists and your account is authorized
6) Error in PASV mode. Please be sure the server support PASV mode
7) Error in PORT mode. PASV mode should be selected if the device is behind a NAT
8) Can not upload file. Please be sure your account is authorized
Please check if parameters you filled in are correct or not. The format of image is like 00606E8C1930(sarah)_0_20100728114350_25.jpg
Please check if your FTP server supports this format of file name

3.12 Alarm Service Settings

If you enable **Motion Detect Armed**. It will send mail alerts and upload images when motion trigger.

Figure 3.23

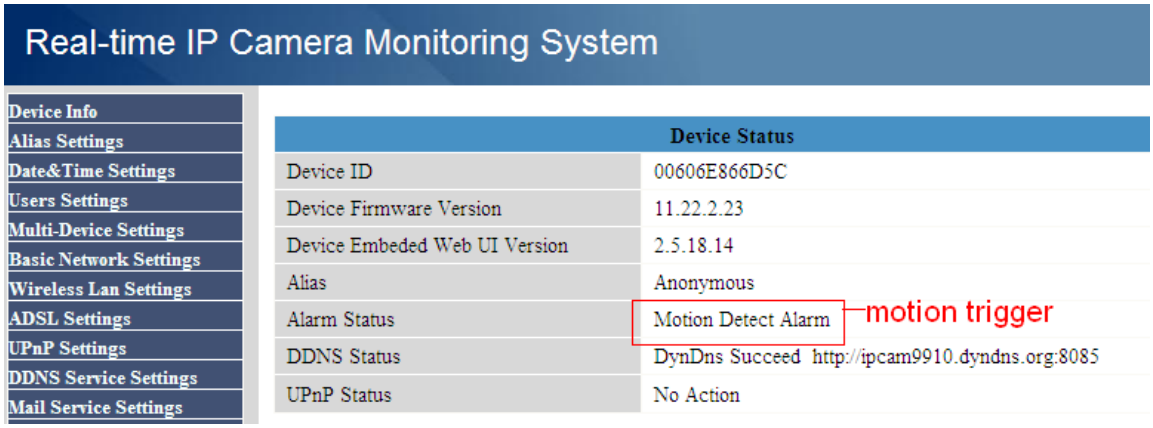

Figure 3.24

If motion trigger after you enable **Motion Detect Armed**. Alarm Status will turn to Motion Detect Alarm.

There are five representation of alarm.

1) The light turns red when motion trigger.

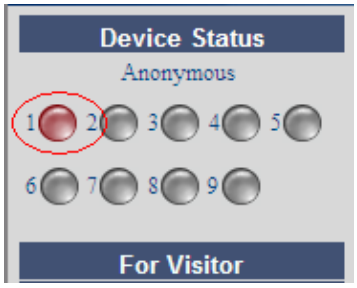

Figure 3.25

2) Plug an earphone or a speaker in the computer; you can hear beep sound when the light turns red.

3) The camera will record automatically about one minute when motion trigger. You can find the recording file in the folder which you set to store alarm record. (Figure 3.3)

4) Send mails when motion trigger.

If you want to receive images when motion trigger. You need set **Mail Service Settings** first. (Figure 3.18) Then set motion alarm as follows:

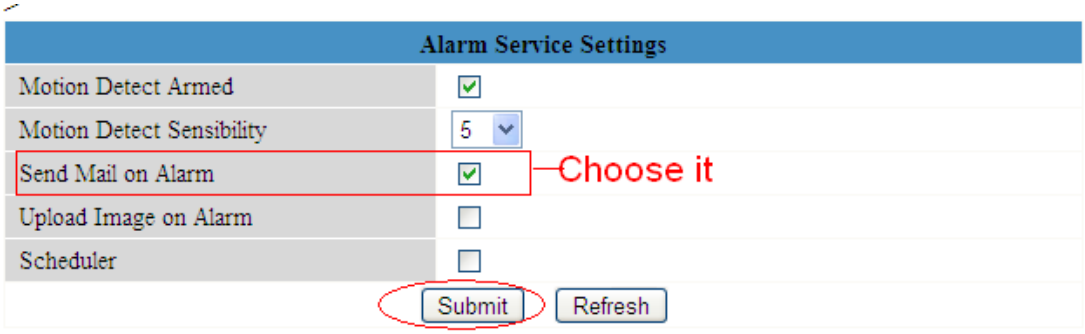

Figure 3.26

If you want the camera send mails in a special time range, not all the time when motion trigger, but only during the time you set. You can choose Scheduler and set time range for motion alarm. (Figure 3.28)

5) Upload images via FTP server when motion trigger.

If you want upload images to FTP server when motion trigger. You need set **FTP Service**

Settings first. (Figure 3.20/3.21) Then set motion alarm as below picture.

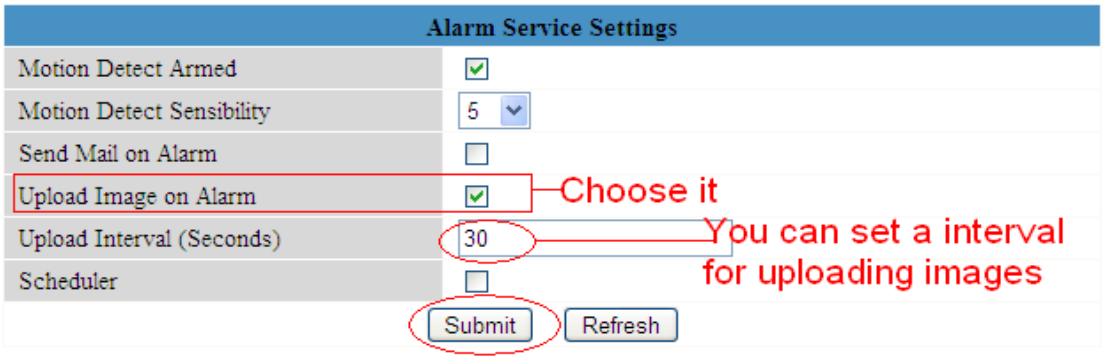

Figure 3.27

There are two ways to alarm.

1) Alarm at any time when motion trigger.

Don't choose **Scheduler**. The camera will alarm at any time when motion trigger.

2) Plan to alarm.

If you want the camera alarm during the time you set. You need choose **Scheduler** and set time range. (Figure 3.28)

Click left button on the box of time range. It will turn blue. If you want delete it, just click left button on it again. It will turn to gray.

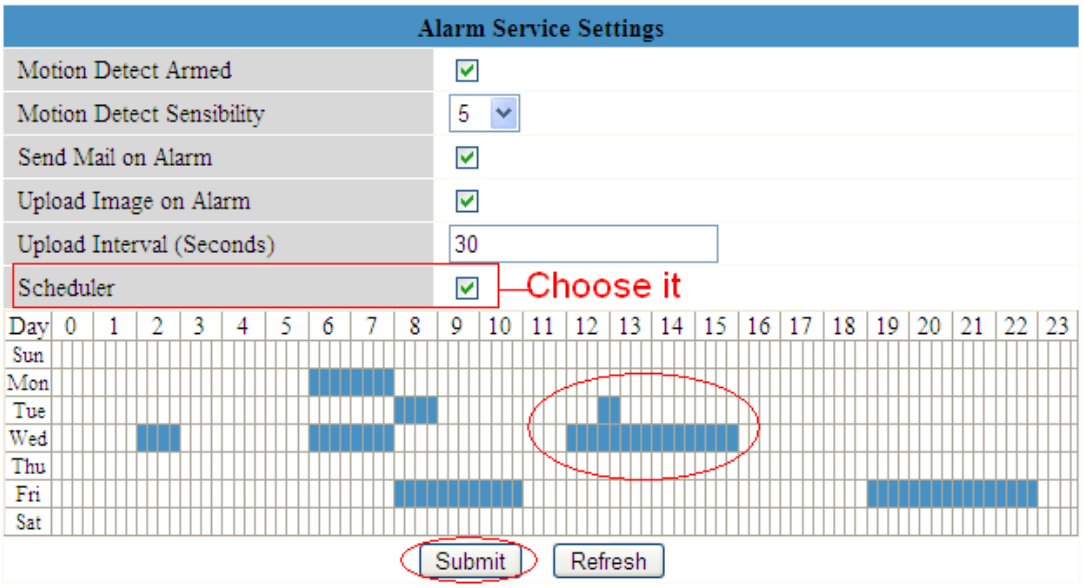

Figure 3.28

3.13 PTZ Settings

Here you can set pan/tilt speed. Normally, PT speed is 0; the camera will rotate most quickly. The larger setting number, the lower speed.

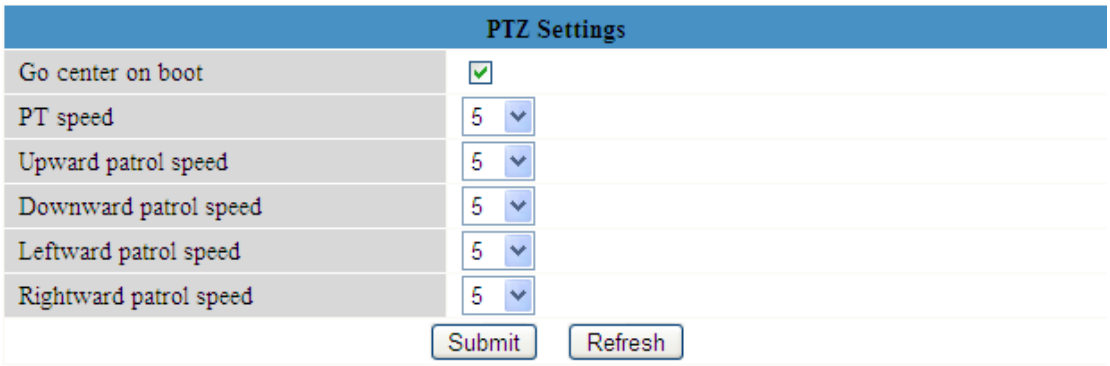

Figure 3.29

3.14 Upgrade Device Firmware

When you upgrade the camera, please upgrade system firmware first and then upgrade Web UI.

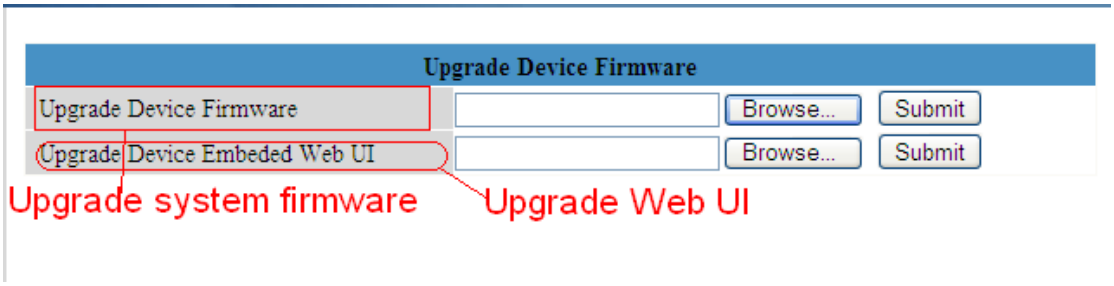

Figure 3.30

NOTE: After you upgrade the system firmware, you will not view the camera in browser before you upgrade Web UI. Make sure IP camera tool on your computer could find your camera's IP before you choose upgrade in browser.
For Web UI only can be upgraded by IP camera tool after upgrade system firmware.
Click **Browse**, choose the correct bin file and then click **Submit** to upgrade.
Don't shut down the power during upgrade until the IP camera tool finds the camera again.

3.15 Backup & Restore Settings

If you set don't want to set all parameters that you've set already. You can click **Submit** and all the parameters you set will store as a parameters bin file.
You only need choose **Browse** to load the bin file next time you login the camera and need not set parameters again you have ever set.

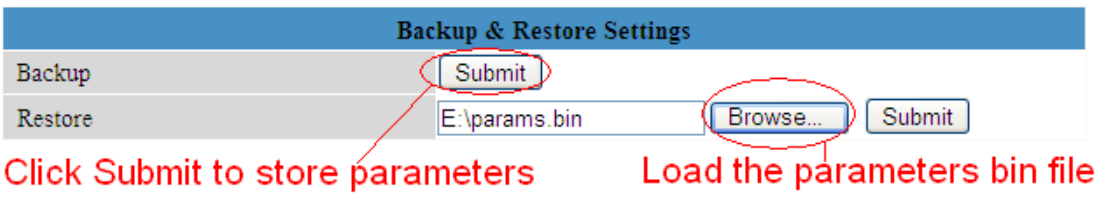

Figure 3.31

3.16 Restore Factory Settings

If you choose restore factory setting. All parameters will return to factory settings.

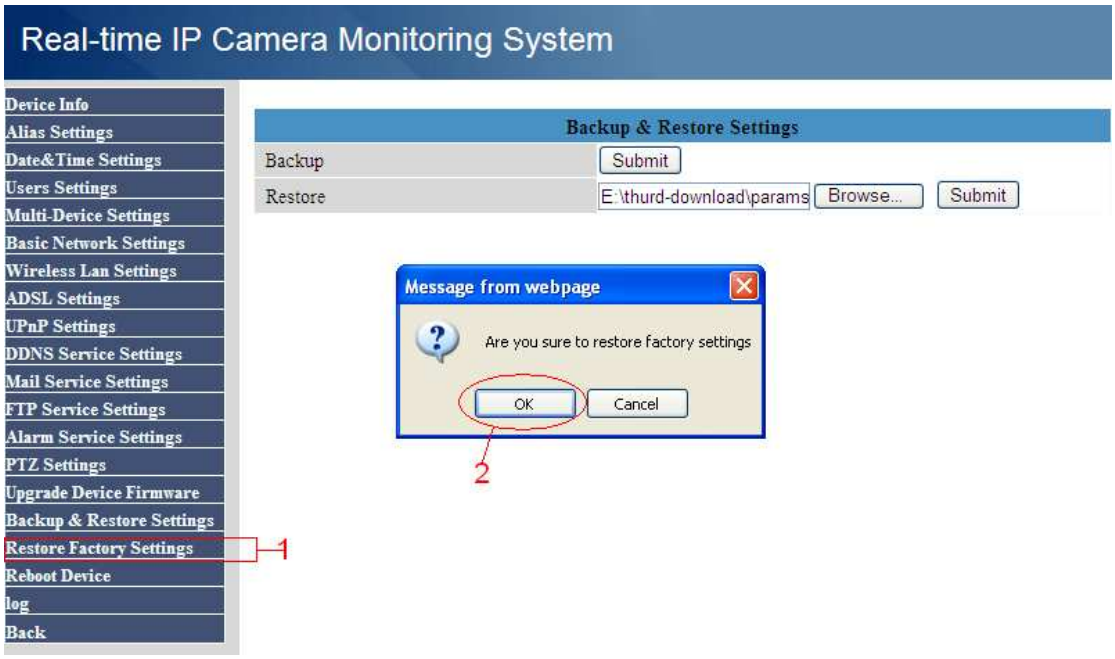

Figure 3.32

3.17 Reboot Device

Here click reboot device is the same as plug the power and re-plug it.

3.18 Log

Here log record that who access the camera.

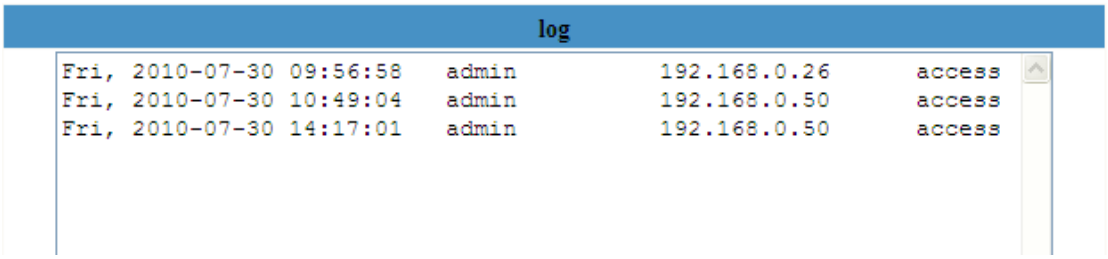

Figure 3.33

3.19 Back

Here if you choose back, you will go back to video window.

4 APPENDIX

4.1 Frequently Asked Questions

NOTE: Any questions you would meet, please check Network connections firstly. Check the working status revealed by the indicators on the network server, hub, exchange and network card. If abnormal, check the network connections.

4.1.1 I have forgotten the administrator username and/or password

To reset the administrator username and password, Press and hold down the RESET BUTTON for 30 seconds. Release the power button and the username and password will be reset back to the factory default administrator username and password. Plug the power when doing reset.
Default administrator username: **admin**
Default administrator password: No password

4.1.2 Subnet doesn't match, dbclick to change

If IP Camera Tool shows error information "Subnet doesn't match, dbclick to change!" Please choose **Obtain IP from DHCP server**. (Figure 2.4)
If it still show this error after obtain IP from DHCP server. Please check local area connection of your computer, change subnet, gateway of the camera. Keep them in the same subnet of your computer. (Figure 2.5)

4.1.3 No Pictures Problems

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. There are two ways to resolve this problem:
1) Install "IP Camera Tool", ActiveX controller is installed simultaneity（recommendable）. (Figure 2.10~Figure 2.12)
2) Download ActiveX controller and set the safety property of IE in the PC when you view it first time: IE browser→Tool→Internet Proper→Security→Custom Level→ActiveX control and Plug-ins. Three options of front should be set to be "Enable", The ActiveX programs read by the computer will be stored. As follows:
Enable: Download unsigned ActiveX controls
Enable: Initialize and script ActiveX controls not marked as safe
Enable: Run ActiveX controls and plu-ins

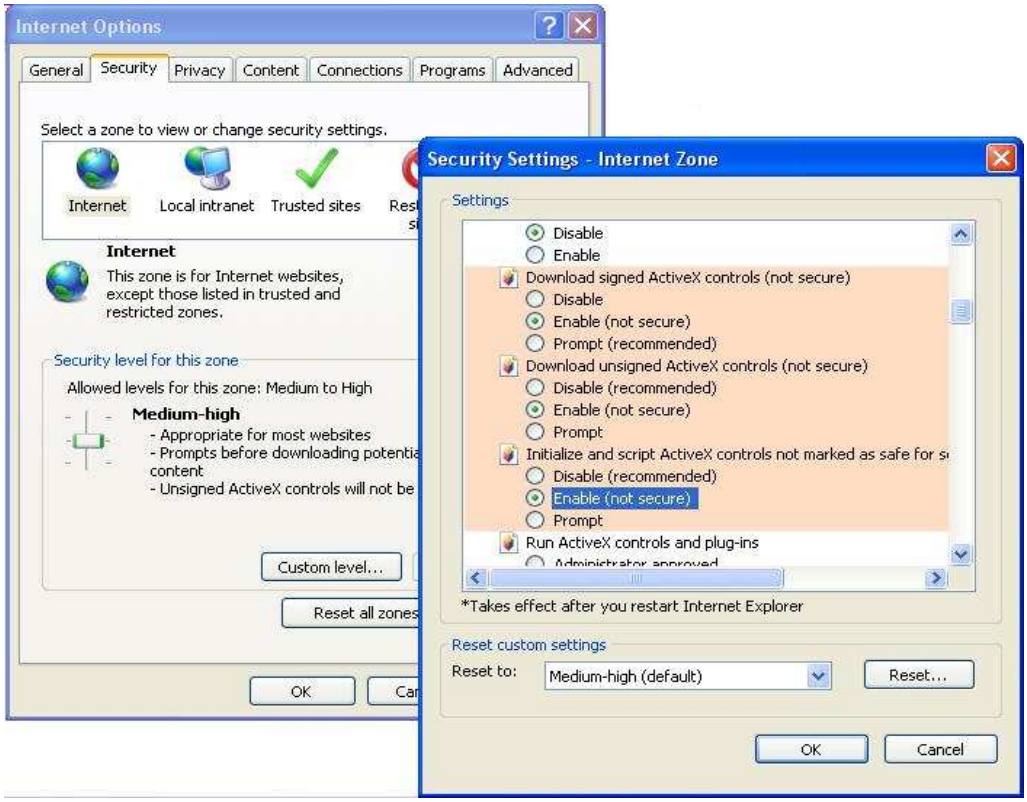

Figure 4.1

If you allow the activeX running, but still could not see living video, only a red cross in the center of the video. There is a yellow light in the device status.

Not green. Please change another port number to try. Don't use port 80, use port 85, 8005.etc.

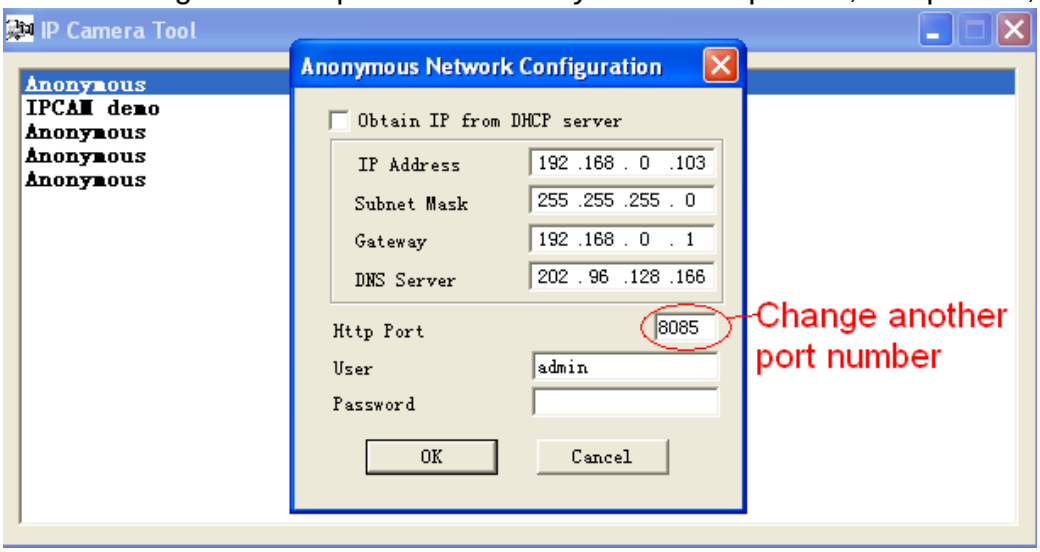

Figure 4.2

NOTE: Make sure that your firewall or anti-virus software does not block the camera or activeX. If you could not see video, please shut down firewall or anti-virus software to try again.

4.1.4 Can't access IP camera in internet

There are some reasons:

1 ActiveX controller is not installed correctly (see more details: Figure 2.10~Figure 2.12).

2 The port which camera used is blocked by Firewall or Anti-virus software. Please change another port number and try again. (Figure 4.2)
3 Port forwarding is not successful (see more details in **Quick Installation Guide—How to set DDN Service settings**)
Double check these settings and make sure they are correct.

4.1.5 IP Camera Tool could not find camera's IP

Please check if the camera works well. Check if network cable is loose or not.
Make sure DHCP is enabled in your router, don't enable MAC address filter.
Make sure that firewall or anti-virus software does not block the camera. You can add the camera as a trusted site in your firewall or anti-virus software.

4.1.6 UPnP always failed

UPnP only contains port forwarding in our recent software. Sometimes, it may be failed to do port forwarding automatically because of firewall or anti-virus software. It also has much relation with router's security settings. So we recommend you do port forwarding manually. You can view your camera in internet successfully after you do port forwarding manually in your router.

4.1.7 Couldn't find the shortcut on desktop after install IP camera tool

If you use Windows7 or Vista, You could not find the shortcut on desktop after install the IP camera tool, please check if the path of the tool port to is correct or not.
For example, as it was pointing to C:\Windows\System32\IPCamera.exe.
Please fix this by pointing the shortcut to the correct path C:\Windows\SysWOW64\IPCamera.exe. After this you could use the shortcut without any problems.

4.1.8 I can't change the record path

When you use Windows7 or Vista, you may be not able to change the record path for the security settings of computer. Please add the camera as a trusted site to solve this issue. The step is
IE browser→Tool→Internet Proper→Security→Trusted sites→Sites→Add

4.1.9 I can't find multi-device settings and record icon

Record and multi-device function are controlled by activeX controller.
So if you use Firefox, Google chrome and safari, it is impossible to use these function.

4.1.10 Camera can not connect wireless

If your camera could not connect wireless after you set wireless settings and plug out the cable. Please check whether your settings are correct or not. (details: **Wireless LAN settings** in **Quick Installation Guide**)
Normally, camera can't connect wireless mainly because of wrong settings.
Make sure broadcast your SSID; use the same encryption for router and camera. Share key should not contain special characters, only word and number will be better. Don't enable MAC address filter.

4.1.11 I can't see other cameras which in multi-device when remote access

If you want to view all the cameras in WAN. Make sure that each camera you add in multi-device settings can be logon use DDNS name and port number. Use DDNS domain name to fill in the host checkbox, not camera's LAN IP. (details: How to add cameras in WAN)

4.1.12 Only see black screen or unreasonable code when remote login

If you could access the login page in remote place, it indicates that your DDNS settings are correct. You could not see living video but only some undefined characters, it may be the internet speed problems, especially the camera work on Wi-Fi.

4.2 Default Parameters

Default network Parameters
IP address: dynamic obtain
Subnet mask: 255.255.255.0
Gateway: dynamic obtain
DHCP: Disabled
DDNS: Disabled
Username and password
Default administrator username: **admin**
Default administrator password: No password

4.3 Specifications

ITEMS		IPCAM FI8918W
Image Sensor	Image Sensor	1/4" Color CMOS Sensor
	Display Resolution	640 x 480 Pixels(300k Pixels)
	Lens	f: 3.6mm, F:2.4 (IR Lens)
	Mini. Illumination	0.5Lux
Lens	Lens Type	Glass Lens

	Viewing Angle	67Degree
Video	Image Compression	MJPEG
	Image Frame Rate	15fps(VGA),30fps(QVGA)
	Resolution	640 x 480(VGA), 320 x 240(QVGA)
	Flip Mirror Images	Vertical / Horizontal
	Light Frequency	50Hz, 60Hz or Outdoor
	Video Parameters	Brightness, Contrast
Communication	Ethernet	One 10/100Mbps RJ-45
	Supported Protocol	HTTP,FTP,TCP/IP,UDP,SMTP,DHCP,PPPoE,DDNS,UPnP,GPRS
	Wireless Standard	IEEE 802.11b/g
	Data Rate	802.11b: 11Mbps(Max.) 802.11g: 54Mbps(Max.)
	Wireless Security	WEP & WPA & WPA2 Encryption
	Infrared Light	11 IR LEDs, Night visibility up to 8 meters
	Dimension	110(L) x100(W) x108mm(H)
	Gross Weight	768g (Color Box Size:200X124X189mm)
	Net Weight	418g (accessories included)
Power	Power Supply	DC 5V/2.0A (EU,US,AU adapter or other types optional)
	Power Consumption	5 Watts (Max.)
Environment	Operate Temper.	0°~ 55℃ (14℉ ~ 122℉)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper.	-10℃ ~ 60°(14℉ ~ 140℉)
	Storage Humidity	0% ~ 90% non-condensing
PC Requirements	CPU	2.0GHZ or above
	Memory Size	256MB or above
	Display Card	64M or above
	Supported OS	Microsoft Windows 2000/XP/Vista/Windows7
	Browser	IE 6.0, IE7.0, IE8.0 firefox,goolge chrome,safari or other standard browsers
Certification	CE,FCC	
Warranty	Limited 1-year warranty	

5 OBTAINING TECHNICAL SUPPORT

While we hope your experience with the IPCAM network camera is enjoyable and easy to use, you may experience some issues or have questions that this User's Guide has not answered. Please contact your reseller and ask for help first, if they could not resolve your issue, please contact our company.